

Author Index

Volume 89, January-June 1994

Aakvaag A, 1573
Aarsland T, 1573
Abbott RD, 2540
Abe H, 2626
Abrass IB, 1648
Achilli A, 2459
Achord JL, 1913, 1917
Adachi S, 2198
Adams HP Jr, 2950
Adams JM, 413
Adams JR III, 1447
Adams KF Jr, 660
Adams PC, 81
Adamson PB, 548
Adatia I, 2099
Adelman B, 1567
Adler SW, 684
Adrie C, 2498
Agata Y, 1306
Agatston AS, 1908
Agmon Y, 912
Agostoni A, 76
Aguirre FV, 2150
Ahmed MW, 1656
Ahsan A, 1587
Akagi T, 258
Akai K, 366
Akhtar M, 1913, 1917
Akimoto H, 2198
Alavi K, 578
Albelda SM, 1760
Albers GW, 2950
Alderman EL, 642, 975, 1615
Aldrich WN, 712, 718
Alexander T, 1643
Alferness CA, 413
Ali J, 81
Allen A, 567
Allen HD, 923
Allessie M, 507, 852
Allessie MA, 423, 1665, 2107
Almagor Y, 2026
Almendral J, 1060
Alpert JS, 998
Alpert S, 1900
Anayiotos A, 2141
Anderson HV, 1786, 2822
Anderson JL, 567, 1632
Anderson RD, 361
Anderson RH, 1697
Ando M, 863
Andrade MJ, 753
Andrews TC, 2454
Antithrombotic Therapy in
Acute Coronary Syndromes
Research Group, 81
Antolini R, 2107
Antzelevitch C, 1839
Anversa P, 151
Archard LC, 2582
Arenal A, 1060
Armstrong ML, 1810, 2447
Armstrong PW, 2843
Arnet U, 2266, 2780
Arnold MO, 1934
Arribas F, 2117
Arrighi JA, 578
Arzbaecher R, 909
Asaad MM, 2457
Ascherio A, 94, 969, 1992
Ashida T, 2626
Asta JA, 2401
Augé JM, 2054
Avolio A, 2945
Axel L, 122, 740
Ayers GM, 413
Azarian R, 2722
Baba S, 109
Bach RG, 2150
Bacharach SL, 578
Badimon JJ, 1518
Badimon L, 1518
Baer DM, 2915
Bailey J, 909
Baim DS, 471, 1859, 2514
Baker AL, 252
Balhan JE, 272
Ballantyne CM, 2736
Ballester M, 2054
Ballet A, 1051
Ballieux RE, 762
Ballin S, 947
Ballin SD, 543, 1499, 2485
Banai S, 2183
Barash PG, 913
Barbosa V, 355
Bard JM, 1967
Bardou P, 1032
Bardy GH, 1090, 2641
Barlow CW, 1144
Barnett HJM, 2950
Barrett-Connor E, 703, 991
Barry WH, 2421
Bartenstein P, 667
Bashore TM, 642
Basu CB, 1760
Bates ER, 2005
Battler A, 339
Baudhuin T, 1013
Bauer E, 2266
Bauerle O, 1733
Bauters C, 2327
Bax WA, 623
Beauman GJ, 2005
Becker AE, 36, 2351
Becker LC, 1982, 2045
Beckman KJ, 2655
Bednarz J, 2688
Beiser AS, 252
Belhassen B, 2942
Beller GA, 2332
Beltrami CA, 151
Beltrán M, 1733
Benjamin EJ, 724
Benschop RJ, 762
Benstein JA, 799
Benzuly KH, 1810
Berdeaux A, 2799
Berga SL, 2946
Bergan JJ, 532
Bergin JD, 2332
Bergmann SR, 2290
Beria G, 2126
Berman DS, 1958
Bernà L, 2054
Bernstein V, 68
Berson A, 909
Bertrand ME, 2327
Bichet D, 1934
Bierman FZ, 916
Billaud E, 952
Biller J, 2950
Biniakiewicz D, 1291
Binkley PF, 2945
Birinyi LK, 2161
Birkett C, 2369
Biro S, 2183
Black IW, 2509
Blankenship D, 1291
Blaschke G, 2396
Blauwet MB, 660
Block PC, 642
Blumenthal RS, 52
Boban M, 2412
Bocuzzi SJ, 959
Boersma L, 423, 852
Bogen DK, 2315
Bissonnat P, 2590
Bol A, 1013
Bonan R, 1567
Bonithon-Kopp C, 952
Bonow RO, 578
Borecki IB, 89
Borges-Neto S, 278
Borggrefe M, 667
Borow K, 2688
Borst C, 2816
Bos E, 623
Bosch I, 2054
Bosnjak ZJ, 2412
Botas J, 1615
Boucher C, 2005
Bowen S, 216
Bowes RJ, 1587
Bowles NE, 2582
Boyden PA, 2747
Bozarth JM, 3
Brand M, 1109
Brandt RR, 1580
Braunwald E, 68
Breall JA, 1859
Breithardt G, 667
Brenot F, 2722
Bridges ND, 911
Briët E, 635
Briller S, 909
Brinker JA, 52, 642, 1982
Bristow MR, 1632
Brody AS, 285
Brosius FC III, 793
Brown BG, 2928
Brown MA, 2290
Brown RIG, 1118
Brownson D, 122
Brugada J, 852
Bruylants M, 1032
Bruyne BD, 1013
Bryan GK, 508
Buchbinder M, 882
Bucindolol Investigators, 1632
Buckley MG, 1153
Budin M, 402
Bühl K, 2396
Buja LM, 503, 1786, 2822, 2921
Bunnell IL, 285
Burch M, 2041
Burchfiel CM, 651, 2540
Burgin CW, 1247
Burguera EGM, 206
Buring JE, 94
Burnett JC Jr, 1580
Burns D, 2190
Bursztyn M, 1912
Burtscher M, 2948
Burwash IG, 827
Burwell LR, 1982
Butcher EC, 2176
Caballero S, 1511
Cafaro C, 76
Califf RM, 1118, 1557, 2015
Callahan TJ, 1900
Camarano G, 2562
Cambien F, 1967
Cameron DA, 2401
Campbell S, 1587
Candipan RC, 777
Cannegieter SC, 635
Cannon RO III, 2545
Canty JM Jr, 285, 375
Cape EG, 2141
Capazzotto A, 2459
Caplan LR, 2950
Cappuccio FP, 1153
Caraballo BA, 818
Caralps JM, 2054
Cardella JF, 1481
Carman WJ, 703
Carreras F, 2054
Carrión I, 2054
Carroll JD, 893
Carrozza JP Jr, 2514
Carter LP, 2950
Casarella WJ, 1481
Castañeda AR, 236, 2099
Castillo JA, 2684
Catanese VM, 799
Catanzaro DF, 458
CCAIT Study Group, 959
Celermajer DS, 1745, 2041
Cerda JJ, 1247
Cerqueira MD, 1648
Chaitman BR, 615, 2150
Chamberlain D, 81
Champagne MA, 975
Chandler AB, 2462
Chang C-N, 740
Chang M, 684
Chao SY, 1958
Chapekis A, 1557
Chauhan A, 694, 1998
Chesky R, 508
Chen C-r, 896

Author Index

Volume 89, January-June 1994

Aakvaag A, 1573
Aarsland T, 1573
Abbott RD, 2540
Abe H, 2626
Abrass IB, 1648
Achilli A, 2459
Achord JL, 1913, 1917
Adachi S, 2198
Adams HP Jr, 2950
Adams JM, 413
Adams JR III, 1447
Adams KF Jr, 660
Adams PC, 81
Adamson PB, 548
Adatia I, 2099
Adelman B, 1567
Adler SW, 684
Adrie C, 2498
Agata Y, 1306
Agatston AS, 1908
Agmon Y, 912
Agostoni A, 76
Aguirre FV, 2150
Ahmed MW, 1656
Ahsan A, 1587
Akagi T, 258
Akai K, 366
Akhtar M, 1913, 1917
Akimoto H, 2198
Alavi K, 578
Albelda SM, 1760
Albers GW, 2950
Alderman EL, 642, 975, 1615
Aldrich WN, 712, 718
Alexander T, 1643
Alferness CA, 413
Ali J, 81
Allen A, 567
Allen HD, 923
Allessie M, 507, 852
Allessie MA, 423, 1665, 2107
Almagor Y, 2026
Almendral J, 1060
Alpert JS, 998
Alpert S, 1900
Anayiotos A, 2141
Anderson HV, 1786, 2822
Anderson JL, 567, 1632
Anderson RD, 361
Anderson RH, 1697
Ando M, 863
Andrade MJ, 753
Andrews TC, 2454
Antithrombotic Therapy in
Acute Coronary Syndromes
Research Group, 81
Antolini R, 2107
Antzelevitch C, 1839
Anversa P, 151
Archard LC, 2582
Arenal A, 1060
Armstrong ML, 1810, 2447
Armstrong PW, 2843
Arnet U, 2266, 2780
Arnold MO, 1934
Arribas F, 2117
Arrighi JA, 578
Arzbaecher R, 909
Asaad MM, 2457
Ascherio A, 94, 969, 1992
Ashida T, 2626
Asta JA, 2401
Augé JM, 2054
Avolio A, 2945
Axel L, 122, 740
Ayers GM, 413
Azarian R, 2722
Baba S, 109
Bach RG, 2150
Bacharach SL, 578
Badimon JJ, 1518
Badimon L, 1518
Baer DM, 2915
Bailey J, 909
Baim DS, 471, 1859, 2514
Baker AL, 252
Balhan JE, 272
Ballantyne CM, 2736
Ballester M, 2054
Ballet A, 1051
Ballieux RE, 762
Ballin S, 947
Ballin SD, 543, 1499, 2485
Banai S, 2183
Barash PG, 913
Barbosa V, 355
Bard JM, 1967
Bardou P, 1032
Bardy GH, 1090, 2641
Barlow CW, 1144
Barnett HJM, 2950
Barrett-Connor E, 703, 991
Barry WH, 2421
Bartenstein P, 667
Bashore TM, 642
Basu CB, 1760
Bates ER, 2005
Battler A, 339
Baudhuin T, 1013
Bauer E, 2266
Bauerle O, 1733
Bauters C, 2327
Bax WA, 623
Beauman GJ, 2005
Becker AE, 36, 2351
Becker LC, 1982, 2045
Beckman KJ, 2655
Bednarz J, 2688
Beiser AS, 252
Belhassen B, 2942
Beller GA, 2332
Beltrami CA, 151
Beltrán M, 1733
Benjamin EJ, 724
Benschop RJ, 762
Benstein JA, 799
Benzuly KH, 1810
Berdeaux A, 2799
Berga SL, 2946
Bergan JJ, 532
Bergin JD, 2332
Bergmann SR, 2290
Beria G, 2126
Berman DS, 1958
Bernà L, 2054
Bernstein V, 68
Berson A, 909
Bertrand ME, 2327
Bichet D, 1934
Bierman FZ, 916
Billaud E, 952
Biller J, 2950
Biniakiewicz D, 1291
Binkley PF, 2945
Birinyi LK, 2161
Birkett C, 2369
Biro S, 2183
Black IW, 2509
Blankenship D, 1291
Blaschke G, 2396
Blauwet MB, 660
Block PC, 642
Blumenthal RS, 52
Boban M, 2412
Bocuzzi SJ, 959
Boersma L, 423, 852
Bogen DK, 2315
Bissonnat P, 2590
Bol A, 1013
Bonan R, 1567
Bonithon-Kopp C, 952
Bonow RO, 578
Borecki IB, 89
Borges-Neto S, 278
Borggrefe M, 667
Borow K, 2688
Borst C, 2816
Bos E, 623
Bosch I, 2054
Bosnjak ZJ, 2412
Botas J, 1615
Boucher C, 2005
Bowen S, 216
Bowes RJ, 1587
Bowles NE, 2582
Boyden PA, 2747
Bozarth JM, 3
Brand M, 1109
Brandt RR, 1580
Braunwald E, 68
Breall JA, 1859
Breithardt G, 667
Brenot F, 2722
Bridges ND, 911
Briët E, 635
Briller S, 909
Brinker JA, 52, 642, 1982
Bristow MR, 1632
Brody AS, 285
Brosius FC III, 793
Brown BG, 2928
Brown MA, 2290
Brown RIG, 1118
Brownson D, 122
Brugada J, 852
Bruylants M, 1032
Bruyne BD, 1013
Bryan GK, 508
Buchbinder M, 882
Bucindolol Investigators, 1632
Buckley MG, 1153
Budin M, 402
Bühl K, 2396
Buja LM, 503, 1786, 2822, 2921
Bunnell IL, 285
Burch M, 2041
Burchfiel CM, 651, 2540
Burgin CW, 1247
Burguera EGM, 206
Buring JE, 94
Burnett JC Jr, 1580
Burns D, 2190
Bursztyn M, 1912
Burtscher M, 2948
Burwash IG, 827
Burwell LR, 1982
Butcher EC, 2176
Caballero S, 1511
Cafaro C, 76
Califf RM, 1118, 1557, 2015
Callahan TJ, 1900
Camarano G, 2562
Cambien F, 1967
Cameron DA, 2401
Campbell S, 1587
Candipan RC, 777
Cannegieter SC, 635
Cannon RO III, 2545
Canty JM Jr, 285, 375
Cape EG, 2141
Capazzotto A, 2459
Caplan LR, 2950
Cappuccio FP, 1153
Caraballo BA, 818
Caralps JM, 2054
Cardella JF, 1481
Carman WJ, 703
Carreras F, 2054
Carrión I, 2054
Carroll JD, 893
Carrozza JP Jr, 2514
Carter LP, 2950
Casarella WJ, 1481
Castañeda AR, 236, 2099
Castillo JA, 2684
Catanese VM, 799
Catanzaro DF, 458
CCAIT Study Group, 959
Celermajer DS, 1745, 2041
Cerda JJ, 1247
Cerqueira MD, 1648
Chaitman BR, 615, 2150
Chamberlain D, 81
Champagne MA, 975
Chandler AB, 2462
Chang C-N, 740
Chang M, 684
Chao SY, 1958
Chapekis A, 1557
Chauhan A, 694, 1998
Chesky R, 508
Chen C-r, 896

Chen I-C, 1690
 Chen P, 1882, 2921
 Chen S-J, 1922
 Cheng C-P, 810, 2241
 Cheng TO, 896
 Chenzbraun A, 1615
 Chernine A, 339
 Chesebro J, 1557
 Chesebro JH, 81, 1518
 Chesler E, 1138
 Chi L, 1523
 Child JS, 243
 Chin MC, 1301
 Chiriboga D, 998
 Chiu D, 2540
 Chiu D MS, 651
 Cho CH, 2728
 Cho SK, 2728
 Choi MJ, 2728
 Chu E, 1301
 Chujo M, 863, 1237
 Cigola E, 151
 Clair WK, 224
 Clark AL, 2062
 Clark EB, 923
 Clark NR, 122
 Clarke SW, 660
 Clausell N, 2768
 Clozel J-P, 393
 Clozel M, 393
 Coats AJS, 2062
 Cody RJ, 2945
 Coffeen P, 684
 Coffman JD, 1183
 Coggins CRE, 2943
 Cohen DJ, 1859, 2514
 Cohen M, 81, 1557
 Cohen RA, 532
 Cohen BA, 991
 Colan SD, 252, 1911
 Colditz GA, 1992
 Coleman PS, 2552
 Coleman RE, 278
 Collen D, 1892
 Colombo A, 2026
 Colucci WS, 164
 Conciato L, 76
 Connelly M, 2062
 Conte MS, 2161
 Conti CR, 45
 Conway J, 1144
 Cooke JP, 777, 1615, 2176
 Cooke T, 1593
 Cooper G IV, 818
 Cooper KA, 132
 Copeland J, 1138
 Cornel PS, 567
 Cosio FG, 2117
 Costanzo MR, 272
 Couraef P, 206
 Courbon D, 952
 Cowley MJ, 471
 Cozzi F, 2107
 Crea F, 2442
 Creager MA, 2035
 Crean P, 1593
 Crick SJ, 1697
 Criqui MH, 511, 1909
 Criscione L, 2212
 Cross DB, 61
 Cui K, 1786
 Cumberland DC, 1587
 Cunningham L, 2582
 Curb JD, 2540

Currie KE, 2035
 Currier JW, 2809

Dagenais GR, 68
 Dajani AS, 916
 Daly RC, 1624
 D'Arcy G, 1593
 Das PK, 36
 Daughters GT II, 142
 Davey PP, 1144
 Davis CE, 1447
 Davis KB, 642
 De Backer G, 1967
 de Bakker JMT, 2351
 de Boer MJ, 596
 De Bono D, 596
 de Champlain J, 1934
 De Ferrari GM, 2126
 de Feyter PJ, 596, 2710
 De Grado WF, 3
 de Lorigeril M, 2590
 De Scheerder I, 385
 Dean LS, 1118
 Deanfield JE, 1745, 2041
 Debowey D, 1557
 DeFreyte G, 818
 DeGrado TR, 793
 Deitchman D, 1632, 1982
 Delcán JL, 1060
 Delcayre C, 2327
 Delehanty JM, 313
 DeLong ER, 2015
 Demopoulos L, 1609
 DeMots H, 1138
 den Boer A, 2710
 Deneault LG, 180
 Desmet W, 385
 Detloff B, 684
 Detre K, 471
 Deutsch E, 1291
 DeWeese JA, 1481
 Di Diego JM, 1839
 Dickerson CA, 484
 Dickstein K, 1573
 Diehl L, 1681
 Diemer MM, 3
 Dilsizian V, 578
 DiMarco JP, 1906
 Dimsdale JE, 2457
 Diodati JG, 578
 Disertori M, 2107
 Distante A, 753, 1160
 Diver D, 642
 Doherty J, 1138
 Doi M, 1717
 Dolack GL, 1090, 2641
 Dillery C, 2041
 Donohue TJ, 799, 2150
 Dorros G, 511
 Dorros GM, 1481
 Dorso CR, 2457
 Douglas PS, 345
 Drenthe E, 1495
 Drexler H, 1615, 2176, 2273
 Drieu La Rochelle C, 2799
 Drinkwater DC, 450
 Drucker NA, 252
 Dubois-Randé JL, 2799
 Ducimetière P, 952
 Dudrick SJ, 1530
 Dunlap SH, 660
 Dunwiddie CT, 1262
 Dupuis B, 2327
 Durack DT, 916

Dureau G, 2590
 Duval D, 1567
 Dworkin LD, 799
 Dwyer T, 1539
 Dzau VJ, 493
 Eaton GM, 2945
 Eckstein MP, 2700
 Ector H, 1051
 Edelman ER, 770
 Edelstein SL, 991
 Edens RP, 1530
 Edmunds LH Jr, 2315
 Edwards NC, 2323
 Edwards WD, 1580
 Egashira K, 2519
 Ehler WJ, 2677
 Ehsani AA, 198
 Eichbaum M, 2396
 Eichstaedt HC, 1032
 Eigler NL, 1004, 2700
 Eisen HJ, 1760
 Eitzman DT, 1523
 El Oakley R, 914
 Elbal LM, 2684
 Elder RC, 1291
 Elkayam U, 2595
 Elliott JM, 61
 Ellis AE, 1511
 Ellis SG, 508, 882, 1126
 Els T, 2578
 El-Tamimi H, 45
 Engelstein ED, 2645
 Engler RL, 1819
 Entman ML, 2736
 Epstein LM, 1074, 2503
 Epstein ND, 22
 Epstein SE, 2183
 Erbel R, 1725
 Erti G, 402
 Estorch M, 2054
 Ettedgui JA, 2919
 European Cooperative Study Group, 596
 Evans JL, 712, 718
 Ezov N, 2822

Fair JM, 975
 Falk E, 1518
 Fallawollita JA, 285
 Fallert MA, 2315
 Fallon JT, 1518, 2161
 Fan PH, 2141
 Fan T-HM, 313
 Fanapanaz L, 22
 Farhood AI, 484
 Farquhar JW, 975
 Fatkin D, 2509
 Faulk WP, 1599
 Faxon DP, 2809
 Fay WP, 1523
 Feinberg WM, 2950
 Fekkes D, 623
 Feldman AM, 2045
 Feldman MD, 2045, 2616
 Feldman T, 893
 Fenley MP, 2509
 Fennessy PV, 1792
 Fenton T, 2454
 Ferguson J, 642
 Ferguson JJ, 949, 2489, 2822
 Ferguson JJ III, 545
 Fernández-Ortiz A, 1518
 Ferrans VJ, 1890

Ferrieri P, 916
 Ferry DR, 553
 Feruglio GA, 151
 Féve J-M, 952
 Feyter PJ, 1109
 Finato N, 151
 Finci L, 2026
 Fisch C, 1913, 1917
 Fischell TA, 1615
 Fish RD, 898
 Fishbein MC, 1587
 Fitzgerald RL, 1819
 Fitzpatrick AP, 1074, 1301, 2503
 Flaherty JT, 1982
 Flameng W, 2787
 Fleischmann KE, 2085
 Fleisher LA, 913
 Fliegner K, 799
 Flotem S, 1138
 Foley D, 1593
 Folland ED, 2005
 Folsom AR, 2533
 Fonarow GC, 450
 Ford LE, 893
 Foreman RD, 548
 Forsythe MS, 3
 Fortin DF, 2015
 Fortin T, 2005
 Fowkes FGR, 1909
 Fox KAA, 81
 Foxall TL, 2251
 Francis GS, 1913
 Franco I, 882
 Frangi D, 76
 Frazier OH, 2908
 Freed MD, 916
 Freeke CA, 2582
 Freeman MR, 2843
 French RJ, 914
 French WJ, 1632
 Friedman DB, 1643
 Friedman EH, 2946
 Friesinger GC II, 1913, 1917
 Fromm MF, 2396
 Fruchart JC, 1967
 Fuentes F, 1882
 Fujikawa H, 2093
 Fujino N, 1306
 Fujisaki H, 2198
 Fujita J, 836
 Fukuda T, 258
 Fuster V, 81, 1449, 1469, 1518, 1557

Gabel M, 1291, 1829
 Gaglione A, 2026
 Gal D, 785
 Galli M, 1446
 Galloway JM, 2509
 Gallup D, 471
 Ganter D, 2780
 Garan H, 1094
 Gardinali M, 76
 Gardiner HM, 1745
 Garfinkel LI, 2822
 Garson A Jr, 507
 Gasior TA, 180
 Gaudron P, 402
 Gauthier DF, 164
 Ge J, 1725
 Ge S, 2879
 Gearty G, 1593
 Georgakopoulos D, 1745

George BS, 1982
 Gerard RD, 2190
 Gerbase-DeLima M, 138
 Gerber M, 916
 Gerson MC, 1291
 Gerstenblith G, 52
 Gertz SD, 1262
 Geselowitz D, 909
 Ghaleh B, 2799
 Gianturco-Roubin
 Intracoronary Stent
 Investigator Group, 1126
 Gibbons LE, 1539
 Gibbons RJ, 1908
 Gibney M, 1593
 Gibson CM, 2514
 Gibson RS, 2454
 Gilbert EM, 1632
 Gilligan DM, 2545
 Gimple LW, 1262, 2562, 2616
 Giorgetti A, 753
 Giovannucci E, 1992
 Giovannucci EL, 969
 Giubbini R, 1446
 Giudicelli JF, 2799
 Gladstone P, 959
 Glagov S, 2462, 2888
 Glazmann DB, 2190
 Glantz SA, 1282, 2260
 Glasser SP, 2454
 Gloth ST, 52
 Glower DD, 2015
 Godaert GLR, 762
 Godard J, 361
 Goicolea A, 2117
 Goin JE, 291
 Gold HK, 1557, 2161
 Goldberg DI, 1530
 Goldberg RJ, 651, 998
 Goldberg SL, 2026
 Goldberger JJ, 1656
 Goldman L, 1859
 Goldman S, 68, 68, 1138
 Goldschmid MG, 991
 Goldstein MR, 1447
 Goldstein S, 2852
 Goldstone J, 511
 Goldzieher JW, 2942
 Gómez A, 1733
 Gomez AR, 2552
 González-Sastre F, 1447
 Goodgold HM, 2150
 Goodman NC, 2667
 Gorcsan J III, 180
 Gordon DF, 68
 Gore JM, 998
 Gorecki M, 2822
 Görge G, 1725
 Goto Y, 558
 Gottlieb SS, 1934
 Gould KL, 1530
 Graf BM, 2412
 Grant MB, 1511
 Gray GA, 393
 Gray JE, 1481
 Grayburn PA, 1446
 Gretler DD, 2688
 Griffin JC, 413, 1074, 2503
 Griffith JL, 2552
 Grima EA, 2843
 Grimm RA, 2509
 Grines CL, 302
 Grogan HR, 1074
 Gross GI, 1229, 1769
 Grover F, 1138
 Gruber JW, 1982
 Grundy SM, 1329
 Guerrero JL, 2342
 Guerrero ML, 1733
 Guidollet J, 2590
 Guier WH, 1174
 Guldner NW, 1032
 Gunn J, 1587
 Gupta KB, 2315
 Gupta RC, 2852
 Gurbel PA, 361, 1118
 Gustafson N, 1982
 Guth BD, 2361
 Guyton JR, 2462
 Haakenson C, 1138
 Haber H, 2045
 Haber HL, 1262, 2616
 Hablawetz E, 1068
 Hagay Y, 2822
 Hagberg JM, 198
 Haines DE, 2390, 2667
 Halbrook H, 1599
 Hall C, 1934
 Hamburg RS, 1499
 Hamilton MA, 450
 Handschumacher MD, 2342
 Hang C-L, 313
 Hansen DE, 142
 Hanson MW, 278
 Happe E, 2601
 Hare GFV, 1074
 Harker LA, 1138
 Harrell FE Jr, 2015
 Harrington RA, 1557
 Hart RG, 2950
 Hartigan P, 2005
 Hasebe N, 2219
 Haskell WL, 975
 Hathaway DR, 1929
 Hattler BG, 180
 Haude M, 1725
 Haudenschild CC, 2809
 Hauptman PJ, 2079
 Hawiger JJ, 532
 Hawkins HK, 2736
 Haze K, 558
 Hazlitt HA, 2655
 Heidbüchel H, 1051
 Heinz G, 507
 Heistad DD, 1810, 2447
 Hekali P, 1189
 Henderson W, 1138
 Hendrix M, 2787
 Henris M, 1557
 Hennekens CH, 94
 Hennerici M, 2578
 Henry GW, 1911
 Héraud V, 952
 Herman WH, 991
 Heroux AL, 272
 Herve P, 2722
 Hess MJ, 1530
 Hetzer R, 2601
 Heublein DM, 1580
 Heuser RR, 1982
 Heydricks GR, 596, 1013
 Heywood JT, 553
 Hiatt WR, 1909
 Higginbotham MB, 2605
 Higginson L, 959
 Hill JA, 45
 Hillis LD, 532
 Himura Y, 313
 Hindricks G, 667
 Hiraishi S, 1306
 Hiraoka Y, 2836
 Hirata Y, 2198
 Hiro M, 2198
 Hirooka Y, 2519
 Hirota H, 1306
 Hirsch H, 1609
 Hirsch J, 1449, 1469
 Hirschfeld JW Jr, 291
 Hishi T, 266, 1196
 Hittinger L, 2219, 2799
 Hjalmarson A, 2760
 Hjemdahl P, 1951
 Ho KKL, 506, 1859
 Ho PPK, 1929
 Hobson RW II, 2950
 Hodges M, 1317
 Hoebelke J, 2760
 Hoffman E, 122
 Hohnloser SH, 1068, 2525
 Hoit BD, 1829
 Holmes DR, 471, 1126
 Holmes DR Jr, 642
 Holtz J, 2273
 Hoornje JCA, 596
 Hori M, 1237
 Horiguchi Y, 1306
 Horwitz LD, 1792
 Housley E, 1909
 Hsia TW, 2843
 Hsiu PTC, 777
 Hsu JCM, 2133
 Hsueh W, 2595
 Hu K, 402
 Hull SS Jr, 548
 Hummel WA, 2710
 Hung J, 630
 Hurley LB, 2915
 Hurt CM, 1209
 Husain M, 2498
 Hutchins GM, 1174
 Hutter MM, 355
 Hyodo K, 863
 Ichinose F, 2498
 Ideker RE, 2133
 Ihara T, 2219
 Iida M, 1717, 2533
 Ikeda U, 2093
 Ilina M, 413
 Imai H, 740
 Indolfi C, 2361
 Ing D, 914
 Ingels NB Jr, 142
 Inou T, 2519
 Inoue M, 1237
 Inoue O, 258
 Insull W Jr, 2462
 Inubushi T, 1709
 Ishii M, 258
 Ishino K, 2601
 Ishizawa A, 266, 1196
 Isner JM, 13, 482, 785, 1501,
 2458, 2570, 2937
 Iso H, 1717, 2533
 Isoda T, 266, 1196
 Ito BR, 1819
 Ito H, 2198
 Iturraralde E, 2684
 Iwase T, 836
 Jackman WM, 2655
 Jackson SM, 3
 Jaffe AS, 1447
 Jaklitsch MT, 2183
 Jang Y-T, 712, 718
 Janowitz WR, 1908
 Janse MJ, 2351
 Jarcho JA, 33, 2079
 Jauch W, 1593
 Jayaweera AR, 2667
 Jekanowski J, 13, 785, 1501
 Jensen L, 660
 Jéquier E, 2634
 Jessen ME, 2190
 Jiang L, 2342
 Jimenez AH, 604
 Jiménez J, 2684
 Jin SH, 2728
 Johannesson GM, 102
 Johnson G, 1090, 2641
 Johnson GA, 2133
 Johnson GB, 2545
 Johnson J, 2485
 Johnson MR, 272
 Johnson SA, 272
 Johnson WH, 2616
 Johnston KW, 511
 Johnstone IM, 975
 Jollis JG, 2015
 Jondeau G, 1609
 Jones M, 2879
 Jones RH, 278, 2015
 Juddutt BI, 2297
 Jula AM, 1023
 Juran N, 302
 Just H, 1068, 2525
 Kadish AH, 1656
 Kadowaki T, 2204
 Kaeffer N, 1254
 Kaesemeyer WH, 506
 Kai H, 2519
 Kakuta T, 2809
 Kallok MJ, 2369
 Kalthof B, 2219
 Kamada T, 1237
 Kampine JP, 2412
 Kanatsuka H, 366
 Kane BJ, 712, 718
 Kantroutz NE, 1632
 Kao AC, 2605
 Kao PC, 1580
 Kao WG, 272
 Kapil RP, 3
 Kapusta A, 2434
 Karagounis LA, 567
 Karanko HM, 1023
 Karas RH, 1943
 Karchmer AW, 916
 Karnovsky MJ, 770
 Kaski JC, 2442
 Kass DA, 2045
 Katayama H, 1911
 Kato H, 258
 Katsiyiannis PT, 578
 Katz SD, 912, 1609
 Katz SE, 345
 Katzen BT, 532, 1481
 Kaufman J, 2570
 Kaul N, 2829
 Kaul S, 1810, 2562, 2667
 Kavosi M, 2498
 Kawachi I, 1992
 Kawada M, 1306
 Kawano T, 258

Kawano Y, 2626
 Keane D, 2710
 Keane JF, 2099
 Keaney JF Jr, 2251
 Kearney M, 785, 1501
 Kearney P, 1725
 Kehler C, 684
 Keller C, 81
 Kelly A, 81
 Kelly P, 1632
 Kelly PF, 313
 Kemp GJ, 1624
 Kennedy JW, 642
 Kenny A, 731
 Kent KM, 471, 882
 Kerber RE, 2369
 Kereiakes DJ, 1118, 1126, 1557, 1982
 Kerensky RA, 45
 Kern KB, 1138
 Kern MJ, 2150
 Keto P, 1189
 Khan F, 1183
 Khan MI, 2297
 Khandheria BK, 2509
 Khatri M, 2085
 Khaw B-A, 1217
 Khaw K-t, 703
 Khrestian C, 2860
 Khuri S, 1138
 Kieso RA, 2369
 Kikinis R, 2085
 Kim CH, 313
 Kim EA, 1501
 Kim EJ, 2728
 Kim JM, 2728
 Kim MH, 2728
 Kim SS, 2728
 Kim T, 1138
 Kim YH, 1094
 Kimball B, 959
 King ME, 2342
 King SB III, 471, 1126
 Kinoshita M, 1709, 2232
 Kirchhof C, 507, 852
 Kirchhof CJH, 423
 Kirchhof CJHJ, 1665
 Kishimoto C, 2836
 Kitakaze M, 1237
 Kitamura A, 1717, 2533
 Kiyama M, 1717, 2533
 Klaproth P, 1032
 Kleiman NS, 872, 1557
 Klein AL, 2509
 Klein G, 1103
 Klein J, 1958
 Klein M, 68, 1934
 Kleinman B, 1905
 Klingenbergheb T, 1068
 Klocke FJ, 1913, 1917
 Klootwijk P, 596
 Knabb RM, 3
 Knudtson ML, 1118
 Kobashigawa JA, 450
 Koch G, 660
 Koch L, 1725
 Koh KK, 2728
 Kojima M, 2204
 Kojima S, 2626
 Komachi Y, 1717, 2533
 Komaru T, 366
 Komjathy SF, 361
 Komuro I, 2204
 Kong Y, 1792

Konings KTS, 1665
 Konishi M, 109, 1717, 2533
 Kono T, 2852
 Konstan MA, 2552
 Korcarz C, 2688
 Kornowski R, 339
 Koskinen P, 1041, 1189
 Kottke-Merchant K, 1802
 Kraft CD, 827
 Kramer BL, 712
 Krauss RM, 975
 Kroemer HK, 2396
 Krol J, 291
 Kronmal R, 81
 Kronmal RA, 2950
 Kudenchuk PJ, 1090, 2641
 Kugelmass AD, 2514
 Kukielka GL, 2736
 Kumar K, 285
 Kuntz RE, 1859, 2514, 2816
 Kuo BI, 1910
 Kupari M, 1041, 1189
 Kuramochi M, 2626
 Kurokawa M, 2836
 Kuroki Y, 2836
 Kussmaul WG, 116
 Kussmaul WG III, 291
 Kuzil BB, 2605
 Kwasman MA, 1074
 Labarrere CA, 1599
 L'Abbate A, 1160
 Lablanche J-M, 2327
 Lachno DR, 1153
 Ladenson JH, 1447
 Lakatta EG, 2492
 Laks H, 243, 450
 Laks M, 909
 Lam JYT, 630
 Lamas GA, 68, 1934
 Lambrew CT, 642
 Lancaster G, 81
 Landau C, 2190
 Landi P, 1160
 Landzberg JS, 164
 Laney R, 2062
 Lang IM, 2715
 Lang RM, 2688
 Lango MN, 799
 Lango RP, 799
 Laragh JH, 458, 1481
 Larson MG, 724
 Larsson PT, 1951
 Laskarzewski PM, 89
 Laskey WK, 116
 Latifi R, 1530
 Lattanzi F, 753, 1160
 Lauer RM, 923
 Laughlin MH, 2308
 Lauwers J, 2787
 Lazarous DF, 2183
 Lazzara R, 2380, 2655
 Leamy A, 3
 Leatherman G, 1632
 Leclerc G, 785
 Lee CJ, 2728
 Lee KL, 1118, 2015
 Lee P, 1802
 Lee RJ, 1074, 2503
 Lee RT, 2085
 Lee YH, 2728
 Leelachaikul P, 1247
 Leenhardt A, 206
 LeJemtel TH, 912, 1609

Lefant C, 1, 541, 945, 1497, 1921, 2487
 Leng GC, 1909
 Leon MB, 882, 1323
 Lerch H, 667
 Lerman A, 1580
 Lerman BB, 2645
 Lesh MD, 1074, 1301, 2503
 Lespérance J, 959, 1567
 Leung DY, 2509
 Lévesque J, 1567
 Levin DC, 1481
 Levine BD, 1643
 Levine RA, 1910, 2342
 Levine TB, 2852
 Levy D, 506, 724
 Levy WC, 1648
 LeWinter MM, 132
 Lewis AB, 252
 Lewis S, 68
 Leya FS, 272
 Li G, 2434
 Liang C-s, 313
 Liao Y, 272
 Lichtenberg A, 302
 Lidón R-M, 1567
 Lin F-C, 1690
 Lin H, 331
 Lippman N, 2645
 Little WC, 810, 2241
 Litwin SE, 345
 L-Lacoste L, 630
 Lock JE, 236, 2099
 Loh E, 2035
 Loo A, 1068
 López Gil M, 2117
 Loscalzo J, 2251
 Loskutoff DJ, 2715
 Losordo DW, 13, 785, 1501, 2570
 Lotto A, 2126
 Louis C, 947
 Lowe JE, 2015
 Lucchesi BR, 1523
 Lurie KG, 684
 Lüscher TF, 1203, 2212, 2266, 2780
 MacCallum G, 2454
 MacCoris CS, 361
 MacGregor GA, 1153
 Mackey SF, 975
 MacLeod DC, 1109
 MacRae CA, 33
 Maddahi J, 1908
 Madias JE, 2945
 Maeno Y, 258
 Magnusson MK, 102, 2948
 Magnusson S, 102
 Magnusson Y, 2760
 Maher VMG, 2928
 Maher KN, 2700
 Maiello L, 2026
 Maier SE, 2085
 Mailhac A, 1518
 Maison-Blanche P, 206
 Makuch RW, 2332
 Mallin WH, 1291
 Mameille N, 2590
 Mancini GBJ, 1982
 Mandarino WA, 180
 Mangano DT, 913
 Mansour M, 45, 1511
 Marcassa C, 1446

March KL, 1929
 Marcus RH, 2688
 Marelli AJ, 243
 Margolis JR, 1118
 Marin-Neto JA, 578
 Mark DB, 2015
 Markandu ND, 1153
 Marmor A, 2045
 Maron DJ, 975
 Marquis J-F, 1118
 Marrugat J, 2054
 Marsh JJ, 2715
 Marshall G, 1632
 Marshall HW, 567
 Martí V, 2054
 Martin DT, 216
 Martin EC, 511, 1481
 Martin J-L, 2590
 Martínez-Alday JD, 1060
 Martínez-Guerra ML, 1733
 Martucci JP, 1530
 Maruma F, 2198
 Marx VM, 1481
 Marzilli M, 753
 Marzullo P, 753
 Masaki K, 2540
 Maseri A, 2442
 Massie BM, 913
 Master C, 94
 Masud Z, 1138
 Matsuda Y, 2232
 Matsui S, 955
 Matsumori A, 846, 955
 Matsuoka H, 2626
 Matthai WH Jr, 291
 Matthews KA, 2946
 May MA, 302
 May ML, 959
 Mayberg M, 2950
 Mayo MC, 3
 McAllister HA Jr, 1890
 McCarthy EA, 224
 McClelland JH, 2655
 McCray G, 2688
 McCredie RM, 1974
 McCrindle BW, 1751
 McEvoy LM, 2176
 McEwan P, 68
 McGoron AJ, 1291
 McGovern BA, 1094
 McGregor CGA, 1580
 McGuire MA, 2351
 McKay CR, 642
 McKenna WJ, 33
 McKiernan TL, 272
 McNatt J, 1786
 McPherson DD, 712, 718
 Meany BT, 2582
 Meany TB, 302
 Mebazaa A, 2492
 Medina O, 1060
 Mehra A, 2595
 Mehra R, 1090, 2641
 Meidell RS, 2190
 Meissner MD, 2455
 Melin JA, 1013
 Meltzer RS, 339
 Menapace FJ Jr, 68
 Mendelsohn ME, 1943
 Merrick S, 2503
 Messmer BJ, 1032
 Metherall J, 2552
 Meybrunn M, 2273
 Meyer BJ, 1518

Meyer J, 1725
 Meyers SN, 712, 718
 Michael LH, 2736
 Michelassi C, 1160
 Mickel MC, 642
 Millard RW, 1291
 Miller DC, 142
 Miller DD, 615, 2150
 Miller MA, 1153
 Mills T, 1587
 Mills TA, 712, 718
 Minamino T, 1237
 Misawa H, 1306
 Mitchell JH, 1643
 Mitchell LE, 89
 Mito H, 2093
 Mitsuhami K, 1709
 Miura T, 2361
 Miyata T, 2161
 Miyazaki S, 558, 2361
 Mizuno T, 2204
 Mohanraj S, 1929
 Mohr JP, 532
 Moller JH, 536, 923, 2479
 Molossi S, 2768
 Moncada S, 1495
 Monjaud I, 2590
 Montoya A, 1138
 Moon MR, 142
 Moore P, 2099
 Moore WS, 2950
 Morgan JP, 345
 Mori H, 863, 1237
 Moriguchi JD, 450
 Morikawa S, 1709
 Morioka T, 1237
 Moritz T, 1138
 Morrison D, 1138
 Morrison LC, 567
 Morrow WR, 2677
 Moscucci M, 2514
 Moser KM, 2715
 Mousa SA, 3
 Moya C, 2054
 Moyé L, 1934
 Moyé LA, 68
 Mubagwa K, 2787
 Mueller RL, 432
 Muhlbauer LH, 2015
 Mullen GM, 272
 Muller DWM, 1922
 Muller JE, 604, 2948
 Muller JM, 2308
 Mulligan RC, 2161
 Mullins CE, 2677
 Mullins PA, 694, 1998
 Mundall SL, 508
 Munsif A, 2380
 Murakami T, 836
 Murday A, 1153
 Murphy M, 2688
 Myers PR, 2308
 Myler RK, 1587
 Nador F, 2126
 Nagai K, 836
 Nagai R, 2204
 Nagatsu M, 818
 Naito Y, 1717, 2533
 Nakae S, 1306
 Nakagawa H, 2655
 Nakamura M, 2533
 Nakamura S, 2026
 Nakanishi N, 1717
 Nam HS, 2728
 Nanda NC, 2141
 Napolitano C, 1681
 Narula J, 1217
 Natale A, 1103
 Nath S, 1906, 2390, 2667
 Nattel S, 2870
 Nelesen RA, 2457
 Nelson CL, 2015
 Neumann A, 2688
 Newburger JW, 252
 Ng K-H, 712, 718
 Nguyen N, 793
 Nicaud V, 1967
 Nickoloff EL, 1481
 Nicod P, 2634
 Nicol PD, 1217
 Nicolini FA, 1802
 Niclosi RJ, 2251
 Niederman AL, 1118
 Nieuwenhuijs EES, 762
 Nijssen KM, 596
 Ninet J, 2590
 Nita H, 1587
 Noda T, 810
 Noll G, 2780
 Nonogi H, 558
 Nordt TK, 321
 Normann SJ, 1247
 Norris RM, 61, 1905
 Novosel D, 2212, 2780
 Nozaki A, 2860
 Nozawa T, 810
 Núñez A, 2117
 Nürnberg M, 206
 Oakley D, 1587
 Oates E, 2552
 Ober JC, 2822
 Obrador D, 2054
 Ochiai H, 2836
 O'Connell JB, 1632
 Oemar BS, 1203
 Ohman EM, 1118
 Ohne M, 2241
 Ohta Y, 2198
 Okada M, 1709
 Okumura K, 2170
 Olivetti G, 151
 Olman MA, 2715
 Olsen EGJ, 2582
 Omae T, 2626
 Omland T, 1573
 O'Neill WW, 302
 O'Nunain SS, 1094
 Ophof T, 2351
 Orchard TJ, 1909
 Ordóñez-Llanos J, 1447
 Olivie J, 1632
 Ormaetxe JM, 1060
 Ortiz J, 2860
 Oswald S, 1094
 Ostro M, 1786
 Ostrzega E, 2595
 O'Sullivan EJ, 272
 Otto CM, 642, 827
 Otto PA, 138
 Ovadia M, 228
 Overloop K, 2787
 Ottit T, 1138
 Owens JF, 2946
 Ozawa H, 109
 Packer M, 1934
 Pacold I, 1138
 Padgett RC, 1810
 Page RD, 2605
 Page RL, 224
 Pai RG, 553
 Paik GY, 2514
 Palacios IF, 642
 Palacios J, 2117
 Palmon LC, 122
 Palomar A, 1733
 Pandian NG, 2552
 Panet A, 2822
 Parent F, 2722
 Parisi AF, 2005
 Parker JD, 164, 604
 Parker JO, 68, 604
 Parker MA, 1656
 Parmley WW, 1282, 2260
 Parodi O, 753
 Parry G, 81
 Passafini A, 2879
 Pastor A, 1060
 Paterson DJ, 1144
 Patrick T, 2219
 Patterson BL, 1943
 Patterson JH, 660
 Paulus WJ, 1013, 2070
 Pavlides G, 302
 Pawelczyk JA, 1643
 Pearlman AS, 827
 Peinado R, 1060
 Pelleg A, 1209
 Penn OC, 1665
 Pentecost MJ, 511, 1481
 Pepine CJ, 45, 1511
 Perez JE, 2290
 Perez-Atayde AR, 252
 Perfusion Balloon Catheter Study Group, 1118
 Perloff JK, 243, 911
 Perrard JL, 2736
 Perry SB, 2099
 Petch MC, 694, 1998
 Peter G, 916
 Petipretz P, 2722
 Petrovitch H, 2540
 Pfeiffer MA, 68, 1934
 Pfeiffer K, 2212
 Phillips HR, 2015
 Piana RN, 2514
 Picano E, 753, 1160
 Picard MH, 2342
 Pickard AD, 882
 Pickering JG, 13, 785
 Pieczek A, 482, 2570
 Piegros DJ, 1810
 Pierce SK, 3
 Piessens J, 385
 Pijls NHJ, 1013
 Pineda E, 684
 Pinkerton CA, 1126
 Pinsky MR, 180
 Pinto FJ, 1615
 Pinto JMB, 2747
 Pirwitz MJ, 2190
 Pitt B, 1982
 Pitts D, 1599
 Piwnica-Worms D, 2085
 Plappert T, 68
 Polak JM, 1697
 Pons-Lladó G, 2054
 Pontillo D, 2459
 Poole JE, 1090, 2641
 Popma JJ, 882
 Porcellati C, 1912
 Post MJ, 2816
 Poulton J, 361
 Powers ER, 642, 1262, 2562, 2616
 Pozzoni L, 76
 Pratt R, 777
 Premlinger TJ, 236
 Presbitero P, 2673
 Prior MI, 2655
 Priori SG, 1681
 Pritchett ELC, 224
 Pryor DB, 2015
 Przyklenk K, 1272
 Puma J, 278
 Puricelli C, 151
 Qayyum MS, 1144
 Quaini F, 151
 Quyyumi AA, 578, 2545
 Rabajoli F, 2673
 Rabinovitch M, 2768
 Rademakers FE, 1174
 Ragosta M, 1262, 2562
 Rahimtoola SH, 642, 916, 1907
 Rain B, 2722
 Raizner AE, 1126
 Rajagopalan B, 1624
 Randin D, 2634
 Rao AK, 1557
 Rao DC, 89
 RAPT Investigators, 588
 Ratcliffe MB, 2315
 Ravelli F, 2107
 Re R, 493
 Read R, 1138
 Reddy SCB, 2919
 Reed DM, 651
 Reichek N, 122
 Reilly M, 1593
 Reilly TM, 3
 Reimer KA, 2133
 Reimold SC, 2085
 Reis SE, 52
 Reiter MJ, 423
 Renaud S, 2590
 Renzenbrink GJ, 623
 Resar JR, 52
 Reves JG, 2015
 Reynolds WA, 1913, 1917
 Ricci DR, 1118
 Rice T, 89
 Richard V, 1254
 Richards K, 1138
 Richardson PJ, 2582
 Riede UN, 2273
 Rimm EB, 969, 1992
 Ring EJ, 511
 Rios G, 1802
 Robbins FL, 1247
 Robbins PA, 1144
 Roberts R, 499, 872
 Roberts WC, 1262
 Robertson JT, 2950
 Robinson J, 1745
 Rocco M, 151
 Roddy M-A, 2035
 Rodeheffer RJ, 1580
 Roden DM, 2451
 Rodriguez BL, 2540
 Rodriguez L, 1910
 Roelandt JRTC, 2710
 Rogers MA, 198

Rogers WJ, 1174
 Rogers WL, 2457
 Rold MD, 712, 718
 Rollán MJ, 2684
 Rongen GA, 2460
 Rosendaal FR, 635
 Rosenfeld ME, 2462
 Rosenfield K, 482, 2570
 Ross J Jr, 2361
 Rosseneu M, 1967
 Roszell NJ MS, 1291
 Roth SI, 712, 718
 Rothbaum DA, 1982
 Roubin GS, 471, 1126, 1481
 Rouleau J, 1934
 Rouleau J-L, 68, 1934
 Rowen M, 132
 Roy S, 2458
 Royston D, 1697
 Rozanski A, 1958
 Ruck K, 1032
 Rudy Y, 2860
 Ruiz M, 2323
 Rupprecht H-J, 1725
 Ruskin JN, 1094, 1851
 Rutsch W, 596
 Ryan TJ, 1903, 1913, 1917, 2809
 Sabbah HN, 2852
 Sadahiro M, 827
 Safian RD, 302, 471
 Sagar KB, 2509
 Saggin L, 1523
 Sagnella GA, 1153
 Sahn DJ, 2879
 Sakai Y, 109
 Sako Y, 1138
 Sala S, 2126
 Salvadori P, 753
 Samaha JK, 1118
 Sambuceti G, 753
 San Román JA, 2684
 Sanders SP, 236
 Sandoval J, 1733
 Sankai T, 2533
 Santos DV, 138
 Sapirstein W, 1900
 Sareli P, 191, 2688
 Sarembock IJ, 1262, 2562
 Sarriá C, 2684
 Sasaguri Y, 258
 Sasayama S, 836, 846, 955, 2836
 Sattler LF, 882
 Sato H, 1237
 Sato K, 366
 Sato N, 258
 Sato S, 1717, 2533
 Saul JP, 169, 507
 Saurbier B, 2525
 Savas V, 302
 Sawada SG, 2459
 Saxena PR, 623
 Scala LCN, 138
 Schächinger V, 2525
 Schaffer SA, 2462
 Schable TF, 596
 Schamberger R, 402
 Schechtman KB, 198
 Scheidi S, 432
 Scheinman MM, 1074, 2503
 Scheinowitz M, 2183
 Schenke WH, 2545
 Scherlag BJ, 2380
 Scherzer U, 2634
 Schieffer B, 2273
 Schiessler U, 2601
 Schifter S, 2601
 Schlant RC, 1913, 1917
 Schleef RR, 2715
 Schmid PG, 818
 Schneider DJ, 321
 Schober O, 667
 Schoen FJ, 2079
 Schofield PM, 694, 1998
 Schreiber TL, 302
 Schroth G, 484
 Schühlen H, 1004
 Schwaiger M, 793
 Schwartz CJ, 2462
 Schwartz D, 1557
 Schwartz JS, 291, 375
 Schwartz PJ, 548, 1068, 1681, 2126
 Schwartz RS, 1523, 1648
 Schwarz M, 1609
 Scicli G, 2852
 Scott H, 361
 Scott S, 1138
 Sealey JE, 458
 Seals DR, 198
 Segesser L, 1203
 Sehested J, 2601
 Seidman CE, 33
 Seidman JG, 33
 Seitz S, 2273
 Sekiguchi H, 2093
 Sekiguchi N, 366
 Seko Y, 2170
 Senzaki H, 266, 1196
 Seo B, 1203
 Serra-Grima R, 1447
 Serruys PW, 1109
 Sestier F, 68, 1934
 Sethi G, 1138
 Sett S, 2768
 Severi S, 1160
 Shaeffer-McCall GS, 2605
 Shah AM, 2070, 2492
 Shah PM, 553
 Shandas R, 2879
 Shannon RP, 2219
 Shao Y, 1829
 Shapiro EP, 1174
 Shapiro LM, 731
 Sharaf A-eR, 1217
 Sharir T, 2045
 Sharma GVRK, 1138
 Sharov VG, 2852
 Shaw JP, 2605
 Shea NL, 2552
 Sheahan R, 1593
 Shen Y-T, 2219
 Shepherd JT, 532
 Sheppard MN, 1697
 Shibano T, 1776
 Shikes RH, 1792
 Shimada K, 2093
 Shimamoto T, 1717, 2533
 Shimizu A, 2860
 Shimoyama H, 2852
 Shinozaki Y, 863, 1237
 Shioi T, 955
 Shiojima I, 2204
 Shiota T, 2879
 Shook TL, 2454
 Shotan A, 2595
 Shou M, 2183
 Shulman ST, 916
 Shultz JJ, 684
 Shwaery GT, 2251
 Siebenmann R, 1203, 2266
 Siegel RJ, 1587
 Sievers RE, 355, 1282, 2260
 Sigfusson N, 102
 Sigmund M, 1032
 Sigvaldason H, 102
 Silverman P, 272
 Silverton P, 1587
 Simmons WW, 2843
 Simonneau G, 2722
 Simoons ML, 596
 Singal PK, 2829
 Singer DRJ, 1153
 Sinusas AJ, 2332
 Sirokman WA, 413
 Siu A, 2503
 Siu CO, 1174
 Siu SC, 2342
 Siveski-Iliiskovic N, 2829
 Sketch MH Jr, 278, 1118
 Skudicky D, 191
 Slater WR, 799
 Smalling RW, 2921
 Smeets JRLM, 1665
 Smith CW, 2736
 Smith LR, 2015
 Smith PK, 2015
 Smith R, 2369
 Smith VC, 2677
 Smith WH, 2332
 Smith WM, 2133
 Smits P, 2460
 Smucker ML, 1632
 Sobel BE, 321
 Soloff LA, 1906
 Somerville J, 2062, 2673
 Sonnenblick EH, 151
 Sorensen KE, 1745
 Sosa-Suarez G, 1094
 Southern JF, 1217
 Sowers MF, 703
 Spear EM, 508
 Spencer KT, 2369
 Spevak PJ, 2099
 Spiegelhalter D, 2673
 Spies JB, 511
 Spina RJ, 198
 Spooner T, 1138
 Sprecher DL, 89
 Stack R, 278
 Stack RS, 2015
 Stafford JL, 361
 Stamler JS, 2035
 Stampfer MJ, 94, 969, 1992
 Starý HC, 2462
 Stauffer DM, 567
 Steenkiste AR, 471
 Steffen W, 1587
 Steimle AE, 450
 Stein KM, 2645
 Steinke W, 2578
 Stevenson LW, 450
 Stibbe J, 596
 Stinson EB, 142
 Stollberger C, 2509
 Stone PH, 604, 2454
 Stone S Erio Aruta, 2673
 Stoney CM, 2946
 Stowe DF, 2412
 Strain J, 81
 Strandness DE Jr, 1909
 Stratmann HG, 615
 Stratton JR, 1624, 1648
 Stroehlein K, 1882
 Subbiah K, 2616
 Sudhir K, 1301
 Sueta CA, 660
 Sugimachi M, 2519
 Sugimura T, 258
 Sugishita Y, 863
 Sullivan JL, 2948
 Sullivan MP, 1247
 Sun DQ, 793
 Sun Y-p, 1282, 2260
 Superko HR, 975
 Suryapranata H, 1109
 Sussex B, 68, 1934
 Sutton JM, 1126
 Sutton MSJ, 68
 Suzuki M, 553
 Suzuki S, 2519
 Swain JA, 1903
 Swan JW, 2062
 Sweeney M, 684
 Sweeney MO, 1851
 Swensen C, 1786
 Swyngedauw B, 2327
 Sys SU, 1013
 Tack J, 1051
 Taegtmeier H, 484
 Takagi J, 258
 Takagishi T, 258
 Takahashi M, 252, 916
 Takashima S, 1237
 Takeshita A, 2519
 Takeshita S, 13, 785
 Takishima T, 366
 Tam C, 1974
 Tanio JW, 1760
 Tannenbaum MA, 1557
 Tappy L, 2634
 Task Force of the Working Group on Arrhythmias of the European Society of Cardiology, 2892
 Tatara K, 109
 Taubert KA, 916, 923
 Taylor G, 694
 Tcheng JE, 2015
 Teerlink JR, 393
 Teien DE, 2879
 Tekawa IS, 2915
 Temin J, 138
 Terao A, 109
 Terefe H, 2396
 Terje Lie R, 1573
 Testa M^A, 604
 Thakur R, 1103
 Thandroyen FT, 2434
 Thelin S, 2433
 Théroux P, 1567
 Thien T, 2460
 Thierfelder L, 33
 Thoele D, 228
 Thomas DD, 827
 Thomas F, 2327
 Thomas JD, 1910
 Thomas O, 1745
 Thomas R, 827
 Thoelen MJ, 3
 Thorgeirsson G, 102, 2948
 Thuaudet S, 1032
 Thuillez C, 1254

Thuraisingham SI, 694
 Tillisch JH, 450
 Tilmans MHI, 1032
 TIMI IIIB Investigators, 1545
 Tischler MD, 132
 Titus BG, 508
 Tobe K, 2204
 Tobis JM, 2026
 Tobita K, 863
 Tofler GH, 604
 Tomita T, 836
 Toombs CF, 2460
 Topol E, 1982
 Topol EJ, 508, 882, 1126, 1557, 1802
 Touboul P-J, 952
 Toyosaki N, 2454
 Triedman JK, 169
 Tromp EAM, 762
 Tron C, 1254
 Trouton TG, 1094
 Tsao PS, 2176
 Tschudi MR, 2212, 2780
 Tsutamoto T, 2232
 Tsutsui H, 818
 Turina M, 2266
 Tyrolier HA, 1447
 Tzivoni D, 2454
 Udelson JE, 2552
 Udina C, 2054
 Ueki K, 2204
 Umbrain V, 1032
 Unger EF, 2183
 Valdes-Cruz L, 2879
 Valvuloplasty Angioplasty of Congenital Anomalies (VACA) Registry Investigators, 1751
 Van Belle E, 2327
 van den Brand MJBM, 596
 van der Linden EA, 623
 van der Loos CM, 36
 van der Velde ME, 236
 van der Wal AC, 36
 van der Wieren LR, 596
 van Doornen LJP, 762
 Van Hecke P, 2787
 van Heuven-Nolzen D, 623
 Van Lierde J, 385
 Van Lommel A, 2787
 van Miltenburg AJM, 596
 Van Trigt P III, 2605
 Van Wylen DGL, 2283
 VanDellen AF, 2677
 Vanhoutte PM, 1776
 Vanneste L, 1051
 Vanoli E, 548
 Vanoverschelde JL, 1907
 Vanstapel F, 2787
 Vantrimpont PJ, 2070
 Vasquez-Johnson J, 2595
 Vassolas G, 216
 Vathada S, 1247
 Vatner SF, 2219
 Vaziri SM, 724
 Vazquez de Prada JA, 2342
 Venditti FJ Jr, 216
 Verbeken E, 2787
 Verdecchia P, 1912
 Verdonck F, 2787
 Vered Z, 339
 Verhorst PMJ, 2509
 Vermeulen JT, 2351
 Verrier ED, 827
 Verrier RL, 548
 Verstraete M, 1892
 Vesely DL, 2456
 Veterans Affairs ACME Investigators, 2005
 Vignale S, 2434
 Vigué B, 2799
 Vilacosta I, 2684
 Villacastin JP, 1060
 Villemaire C, 2870
 Vinaimont N, 1967
 Virolainen J, 1041, 1189
 Viskin S, 2942
 Vita JA, 2251
 Vlasuk GP, 1262
 Vogel RA, 2005
 Vollenweider P, 2634
 von Lutterotti N, 458
 von Segesser L, 2266
 Vonesh MJ, 712, 718
 Vrolix M, 385
 Waagstein F, 2760
 Wada A, 2232
 Wagner DO, 413
 Wagner WD, 2462
 Waldo AL, 2860
 Wales C, 1587
 Wallén NH, 1951
 Wallukat G, 2760
 Walsh M, 1593
 Walsh RA, 1291, 1829
 Walsh WF, 2509
 Waltenberger J, 2433
 Walter B, 402
 Wang C-C, 1690
 Wang K, 1317
 Wang L, 1209
 Wang X, 2655
 Wang XL, 1974
 Wang Y, 366
 Ward RH, 567
 Wargovich TJ, 45, 1511
 Warner SL, 450
 Washburn LC, 1291
 Waters D, 630, 959
 Watkins HC, 33
 Watson DD, 2332
 Waxman MB MD, 2401
 Wei C-M, 1580
 Weiner BH, 642
 Weinert L, 2688
 Weinheimer CJ, 2290
 Weinstein MC, 1859
 Weir L, 13, 785
 Weisfeldt ML, 1174
 Weisman HF, 596
 Weiss JL, 1174
 Wellens HJJ, 1665
 Wen M-S, 1690
 Werf FV, 1051
 Wergowske G, 651
 Wernert N, 2327
 Wernovsky G, 1911
 Werns SW, 1982
 Wessel DL, 252
 Wetzel RC, 2492
 Wever EFD, 2455
 Wexler L, 1908
 Weyman AE, 2342
 Wharton J, 1697
 Whayne JG, 2390, 2667
 White HD, 61
 White R, 1908
 Whiting JS, 1004, 2700
 Whitlow PL, 882
 Whitman G, 1138
 Whittemore AD, 2161
 Why HJF, 2582
 Wichter T, 667
 Wiecek I, 81
 Wijns W, 1013
 Wilcken DEL, 1974
 Wildermann NM, 1118
 Wilensky RL, 1929
 Wilkinson WE, 224
 Willard JE, 2190
 Willems JL, 385
 Willerson JT, 503, 1786, 1875, 2488, 2822
 Willett WC, 94, 969, 1992
 Williams GA, 615
 Williams PT, 975
 Williams SV, 1913, 1917
 Willich S, 2948
 Wilson JM, 1922
 Wilson W, 916
 Wiltse AL, 2460
 Wingard DL, 991
 Winters GL, 2079
 Wirger A, 2273
 Wisenbaugh T, 191
 Wissler RW, 2462
 Wittry MD, 615, 2150
 Wolfe CL, 355, 1282
 Wong SC, 1323
 Wright S, 1580
 Wu CC, 2616
 Wu D, 1690
 Wu LL, 567
 Wun C-CC, 1934
 Wyffels E, 1032
 Xiong J, 81
 Xu A, 2251
 Xu J, 1209
 Yabe T, 1709
 Yacoub MH, 1153, 1697
 Yacoub SM, 1624
 Yagita H, 2170
 Yakshe P, 684
 Yamada I, 2879
 Yamada T, 846, 955
 Yamamoto K, 2093
 Yamazaki T, 2204
 Yanagisawa M, 1320
 Yang X-L, 896
 Yang Z, 2266
 Yao S-K, 1786, 2822
 Yao Z, 1229, 1769
 Yarzebski J, 998
 Yashiro K, 1306
 Yasuda S, 558
 Yazaki Y, 2170, 2204
 Yee R, 1103
 Yee TW, 61
 Yeh ETH, 1318
 Yeh S-J, 1690
 Yeon SB, 122
 Yi LH, 1306
 Ying W, 2204
 Yock PG, 712, 718, 1301
 Yoerger D, 2369
 Yoganathan AP, 2141
 Youker KA, 2736
 Young AA, 740
 Young DB, 331
 Young PM, 2454
 Younis LT, 2150
 Yuen JL, 1609
 Yunzeng Z, 2204
 Zacur HA, 52
 Zadina K, 1138
 Zamponi GW, 914
 Zapol WM, 2498
 Zeiher AM, 2525
 Zetelaki Z, 423
 Zhu B-q, 1282, 2260
 Ziegler MG, 2457
 Zijlstra F, 1109
 Zijlstra FJ, 623
 Zile MR, 818
 Zimring MHJ, 1819
 Zipes DP, 2934

Subject Index

Volume 89, January-June 1994

A

Ablation

Effects of Radiofrequency Catheter Ablation on Regional Myocardial Blood Flow: Possible Mechanism for Late Electrophysiological Outcome, 2667
Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074
Radiofrequency Catheter Ablation of Right Atriofascicular (Mahaim) Accessory Pathways Guided by Accessory Pathway Activation Potentials, 2655
Treatment of Ventricular Tachycardia by Transcatheter Radiofrequency Ablation in Patients With Ischemic Heart Disease, 1094

Acetylcholine

Constrictor and Dilator Responses to Intracoronary Acetylcholine in Adjacent Segments of the Same Coronary Artery in Patients with Coronary Artery Disease: Endothelial Function Revisited, 45
Effect of L-Arginine on Coronary Endothelial Function in Cardiac Transplant Recipients: Relation to Vessel Wall Morphology, 1615
Effects of Intracoronary Acetylcholine and Atropine on Basal and Dobutamine-Stimulated Left Ventricular Contractility, 164
Enhancement of Endothelium-Dependent Vasodilation by Low-Dose Nitroglycerin in Patients With Congestive Heart Failure, 1609
Ethinyl Estradiol Acutely Attenuates Abnormal Coronary Vasomotor Responses to Acetylcholine in Postmenopausal Women, 52

Action potentials

Effects of the K_{ATP} Channel Opener Bimakalim on Coronary Blood Flow, Monophasic Action Potential Duration, and Infarct Size in Dogs, 1769
Endogenous Adenosine Does Not Activate ATP-Sensitive Potassium Channels in the Hypoxic Guinea Pig Ventricle In Vivo, 1209
Origin and Significance of Double Potentials Near the Atrioventricular Node: Correlation of Extracellular Potentials, Intracellular Potentials, and Histology, 2351

Adenosine

A Comparison of Adenosine-Induced Cardioprotection and Ischemic Preconditioning in Dogs: Efficacy, Time Course, and Role of K_{ATP} Channels, 1229
Adenosine Deaminase and Carcinoembryonic Antigen in Pericardial Effusion Diagnosis, Especially in Suspected Tuberculous Pericarditis, 2728
Effect of Ischemic Preconditioning on Interstitial Purine Metabolite and Lactate Accumulation During Myocardial Ischemia, 2283
Endogenous Adenosine Does Not Activate ATP-Sensitive Potassium Channels in the Hypoxic Guinea Pig Ventricle In Vivo, 1209
Infarct Size-Limiting Effect of Ischemic Preconditioning Is Blunted by Inhibition of 5'-Nucleotidase Activity and Attenuation of Adenosine Release, 1237
Mechanism-Specific Effects of Adenosine on Atrial Tachycardia, 2645
Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Aggregation

Liposome-Bound Prostaglandin E₁ Often Prevents Cyclic Flow Variations in Stenosed and Endothelium-Injured Canine Coronary Arteries, 1786

Aging

A Prospective Study of the Health Effects of Alcohol Consumption in Middle-Aged and Elderly Men: The Honolulu Heart Program, 651
Cardiovascular Responses to Exercise: Effects of Aging and Exercise Training in Healthy Men, 1648
Enhanced Left Ventricular Performance in Endurance Trained Older Men, 198
Physical Activity and 23-Year Incidence of Coronary Heart Disease Morbidity and Mortality Among Middle-aged Men: The Honolulu Heart Program, 2540

AHA Medical/Scientific Statements

Cardiovascular Health and Disease in Children: Current Status, 923
Clinical Competence in Insertion of a Temporary Transvenous Ventricular Pacemaker: A Statement for Physicians From the ACP/ACC/AHA Task Force on Clinical Privileges in Cardiology, 1913
Clinical Competence in Invasive Cardiac Electrophysiological Studies: A Statement for Physicians From the ACP/ACC/AHA Task Force on Clinical Privileges in Cardiology, 1917
Guidelines for Long-term Management of Patients With Kawasaki Disease: Report From the Committee on Rheumatic Fever, Endocarditis, and Kawasaki Disease, Council on Cardiovascular Disease in the Young, American Heart Association, 916
Guidelines for Peripheral Percutaneous Transluminal Angioplasty of the Abdominal Aorta and Lower Extremity Vessels: A Statement for Health Professionals From a Special Writing Group of the Councils on Cardiovascular Radiology, Arteriosclerosis, Cardio-Thoracic and Vascular Surgery, Clinical Cardiology, and Epidemiology and Prevention, the American Heart Association, 511
Guidelines for the Management of Transient Ischemic Attacks: From the Ad Hoc Committee on Guidelines for the Management of Transient Ischemic Attacks of the Stroke Council of the American Heart Association, 2950
Optimal Resources for the Examination and Endovascular Treatment of the Peripheral and Visceral Vascular Systems: AHA Intercouncil Report on Peripheral and Visceral Angiographic and Interventional Laboratories, 1481

Alcohol

A Prospective Study of the Health Effects of Alcohol Consumption in Middle-Aged and Elderly Men: The Honolulu Heart Program, 651
Biphasic Effects of Repeated Alcohol Intake on 24-Hour Blood Pressure in Hypertensive Patients, 2626
Presence, Evolving Changes, and Prognostic Implications of Myocardial Damage Detected in Idiopathic and Alcoholic Dilated Cardiomyopathy by ¹¹¹In Monoclonal Antimyosin Antibodies, 2054

Alinidine

Significance of Arrhythmias During the First 24 Hours of Acute Myocardial Infarction Treated With Alteplase and Effect of Early Administration of a β -Blocker or a Bradyarrhythmic Agent on Their Incidence, 1051

Aneurysm

Balloon Angioplasty With Stent Implantation in Experimental Coarctation of the Aorta, 2677
 Changes in Passive Mechanical Stiffness of Myocardial Tissue With Aneurysm Formation, 2315
 Intravascular Ultrasound of Coronary Arteries in Children: Assessment of the Wall Morphology and the Lumen After Kawasaki Disease, 258

Angina

Determinants of Severity of Coronary Artery Disease in Australian Men and Women, 1974
 Effects of Tissue Plasminogen Activator and a Comparison of Early Invasive and Conservative Strategies in Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the TIMI IIIB Trial, 1545
 Exercise Technetium-99m Sestamibi Tomography for Cardiac Risk Stratification of Patients With Stable Chest Pain, 615
 Randomized Trial of a GPIIb/IIIa Platelet Receptor Blocker in Refractory Unstable Angina, 596
 Recombinant Hirudin for Unstable Angina Pectoris: A Multicenter, Randomized Angiographic Trial, 1557

Angiography

A Comparison of Low- With High-Osmolality Contrast Agents in Cardiac Angiography: Identification of Criteria for Selective Use, 291
 A Pilot, Early Angiographic Patency Study Using a Direct Thrombin Inhibitor as Adjunctive Therapy to Streptokinase in Acute Myocardial Infarction, 1567
 Coronary Flow Reserve Calculated From Pressure Measurements in Humans: Validation With Positron Emission Tomography, 1013
 Correlation of Pharmacological ^{99m}Tc-Sestamibi Myocardial Perfusion Imaging With Poststenotic Coronary Flow Reserve in Patients With Angiographically Intermediate Coronary Artery Stenoses, 2150
 Digital Angiographic Impulse Response Analysis of Regional Myocardial Perfusion: Detection of Autoregulatory Changes in Nonstenotic Coronary Arteries Induced by Collateral Flow to Adjacent Stenotic Arteries, 1004
 Effects of Intensive Multiple Risk Factor Reduction on Coronary Atherosclerosis and Clinical Cardiac Events in Men and Women With Coronary Artery Disease: The Stanford Coronary Risk Intervention Project (SCRIP), 975
 Functional Improvement Precedes Structural Regression of Atherosclerosis, 1810
 Improving Detection of Coronary Morphological Features From Digital Angiograms: Effect of Stenosis-Stabilized Display, 2700
 Intravascular Ultrasound of Coronary Arteries in Children: Assessment of the Wall Morphology and the Lumen After Kawasaki Disease, 258
 Microvascular Integrity Indicates Myocellular Viability in Patients With Recent Myocardial Infarction: New Insights Using Myocardial Contrast Echocardiography, 2562
 Noninvasive Quantitative Evaluation of the Morphology of the Major Pulmonary Artery Branches in Cyanotic Congenital Heart Disease: Angiographic and Echocardiographic Correlative Study, 1306
 Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005
 Visualization of Penetrating Transmural Arteries In Situ by Monochromatic Synchrotron Radiation, 863

Angioplasty

A New Approach for Local Intravascular Drug Delivery: Iontophoretic Balloon, 1518

A Randomized Comparison of the Effects of Gradual Prolonged Versus Standard Primary Balloon Inflation on Early and Late Outcome: Results of a Multicenter Clinical Trial, 1118**Angiotensin-Converting Enzyme Inhibition With Fosinopril Sodium in the Prevention of Restenosis After Coronary Angioplasty, 385****Continuing Evolution of Therapy for Coronary Artery Disease: Initial Results From the Era of Coronary Angioplasty, 2015****Contrasting Effects of the Intermittent and Continuous Administration of Heparin in Experimental Restenosis, 770****Differences in Compensatory Vessel Enlargement, Not Intimal Formation, Account for Restenosis After Angioplasty in the Hypercholesterolemic Rabbit Model, 2809****Evaluating the Potential Cost-effectiveness of Stenting as a Treatment for Symptomatic Single-Vessel Coronary Disease: Use of a Decision-Analytic Model, 1859****Guidelines for Peripheral Percutaneous Transluminal Angioplasty of the Abdominal Aorta and Lower Extremity Vessels: A Statement for Health Professionals From a Special Writing Group of the Councils on Cardiovascular Radiology, Arteriosclerosis, Cardio-Thoracic and Vascular Surgery, Clinical Cardiology, and Epidemiology and Prevention, the American Heart Association, 511****Incidence and Treatment of 'No-Reflow' After Percutaneous Coronary Intervention, 2514****Lipoprotein(a) in Restenosis After Percutaneous Transluminal Coronary Angioplasty and Coronary Artery Disease, 1593****Myocardial Perfusion and Ventricular Function Measurements During Total Coronary Artery Occlusion in Humans: A Comparison With Rest and Exercise Radionuclide Studies, 278****Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005****Relation of Clinical Presentation, Stenosis Morphology, and Operator Technique to the Procedural Results of Rotational Atherectomy and Rotational Atherectomy-Facilitated Angioplasty, 882****The Relative Importance of Arterial Remodeling Compared With Intimal Hyperplasia in Lumen Renarrowing After Balloon Angioplasty: A Study in the Normal Rabbit and the Hypercholesterolemic Yucatan Micropig, 2816****Use of Therapeutic Ultrasound in Percutaneous Coronary Angioplasty: Experimental In Vitro Studies and Initial Clinical Experience, 1587****Vascular Injury Augments Adrenergic Neurotransmission, 777****Angiotensin****Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153****Comparative Effects of Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling After Myocardial Infarction in the Rat, 2273****Endothelin Production in Pulmonary Circulation of Patients With Mitral Stenosis, 2093****Effects of Long-term Monotherapy With Enalapril, Metoprolol, and Digoxin on the Progression of Left Ventricular Dysfunction and Dilation in Dogs With Reduced Ejection Fraction, 2852****Intracoronary Angiotensin-Converting Enzyme Inhibition Improves Diastolic Function in Patients With Hypertensive Left Ventricular Hypertrophy, 2616**

Plasma Angiotensin-Converting Enzyme Activity and Carotid Wall Thickening, 952

Quantitative Two-dimensional Echocardiographic Measurements Are Major Predictors of Adverse Cardiovascular Events After Acute Myocardial Infarction: The Protective Effects of Captopril, 68

Tissue Angiotensin System in Cardiovascular Medicine: A Paradigm Shift? 493

Vascular Injury Augments Adrenergic Neurotransmission, 777

Antiarrhythmia agents

Interaction of Acute Ventricular Dilatation and *d*-Sotalol During Sustained Reentrant Ventricular Tachycardia Around a Fixed Obstacle, 423

Modulation of Procainamide's Effect on Cardiac Conduction in Dogs by Extracellular Potassium Concentration: A Quantitative Analysis, 2870

The Early Termination of Clinical Trials: Causes, Consequences, and Control: With Special Reference to Trials in the Field of Arrhythmias and Sudden Death, 2892

Antibodies

Autoimmunity in Idiopathic Dilated Cardiomyopathy: Characterization of Antibodies Against the β_1 -Adrenoceptor With Positive Chronotropic Effect, 2760

Presence, Evolving Changes, and Prognostic Implications of Myocardial Damage Detected in Idiopathic and Alcoholic Dilated Cardiomyopathy by ^{111}In Monoclonal Antimyosin Antibodies, 2054

Therapeutic Effect of Anti-Tumor Necrosis Factor- α Antibody on the Murine Model of Viral Myocarditis Induced by Encephalomyocarditis Virus, 846

Anticoagulants

Combination Antithrombotic Therapy in Unstable Rest Angina and Non-Q-Wave Infarction in Nonprior Aspirin Users: Primary End Points Analysis From the ATACS Trial, 81

Guide to Anticoagulant Therapy, Part 1: Heparin, 1449

Guide to Anticoagulant Therapy, Part 2: Oral Anticoagulants, 1469

Heparin Neutralization by Platelet-Rich Thrombi: Role of Platelet Factor 4, 1523

History of Drugs for Thrombotic Disease: Discovery, Development, and Directions for the Future, 432

Recombinant Hirudin for Unstable Angina Pectoris: A Multicenter, Randomized Angiographic Trial, 1557

Thromboembolic and Bleeding Complications in Patients With Mechanical Heart Valve Prostheses, 635

Antigens

Adenosine Deaminase and Carcinoembryonic Antigen in Pericardial Effusion Diagnosis, Especially in Suspected Tuberculous Pericarditis, 2728

Rheumatic Fever and the HLA Complex: A Cosegregation Study, 138

T-Cell Receptor V β Gene Expression in Infiltrating Cells in Murine Hearts With Acute Myocarditis Caused by Coxackievirus B3, 2170

Antioxidants

Low Iron-Binding Capacity as a Risk Factor for Myocardial Infarction, 102

Antistatin

Specific Factor Xa Inhibition Reduces Restenosis After Balloon Angioplasty of Atherosclerotic Femoral Arteries in Rabbits, 1262

Anxiety

Prospective Study of Phobic Anxiety and Risk of Coronary Heart Disease in Men, 1992

Aorta

Balloon Angioplasty With Stent Implantation in Experimental Coarctation of the Aorta, 2677

Dynamic Nature of the Aortic Regurgitant Orifice Area During Diastole in Patients With Chronic Aortic Regurgitation, 2085

Endothelin ET_A Receptor Antagonist Blocks Cardiac Hypertrophy Provoked by Hemodynamic Overload, 2198

Pressure Recovery in Aortic Valve Stenosis, 116

Apolipoproteins

Apolipoprotein Polymorphisms Fail to Define Risk of Coronary Artery Disease: Results of a Prospective, Angiographically Controlled Study, 567

Lipoprotein(a) in Restenosis After Percutaneous Transluminal Coronary Angioplasty and Coronary Artery Disease, 1593

Plasma Apolipoprotein Concentrations in Young Adults With a Parental History of Premature Coronary Heart Disease and in Control Subjects: The EARS Study, 1967

Arginine

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Enhanced Endothelial Adhesiveness in Hypercholesterolemia Is Attenuated by L-Arginine, 2176

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Arrhythmia

Asymptomatic Arrhythmias in Patients With Symptomatic Paroxysmal Atrial Fibrillation and Paroxysmal Supraventricular Tachycardia, 224

Effect of Acute Magnesium Administration on the Frequency of Ventricular Arrhythmia in Patients With Heart Failure, 660

High $[\text{Ca}^{2+}]_o$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839

Immediate Evaluation of Endomyocardial Biopsies for Clinically Suspected Rejection After Heart Transplantation, 2079

Modulation of Procainamide's Effect on Cardiac Conduction in Dogs by Extracellular Potassium Concentration: A Quantitative Analysis, 2870

Overlapping Sequential Pulses: A New Waveform for Transthoracic Defibrillation, 2369

Rise in Chronic Defibrillation Thresholds in Nonthoracotomy Implantable Defibrillator, 216

Significance of Arrhythmias During the First 24 Hours of Acute Myocardial Infarction Treated With Alteplase and Effect of Early Administration of a β -Blocker or a Bradykinin Cardiac Agent on Their Incidence, 1051

Ventricular Beats Induce Variations in Cycle Length of Rapid (Type II) Atrial Flutter in Humans: Evidence of Leading Circle Reentry, 2107

Arteries

Angiopeptin Inhibits Oncogene Induction in Rabbit Aorta After Balloon Denudation, 2327

Arterial Reactivity Is Significantly Impaired in Normotensive Young Adults After Successful Repair of Aortic Coarctation in Childhood, 1745

Both ET_A and ET_B Receptors Mediate Contraction to Endothelin-1 in Human Blood Vessels, 1203

Constrictor and Dilator Responses to Intracoronary Acetylcholine in Adjacent Segments of the Same Coronary Artery in Patients with Coronary Artery Disease: Endothelial Function Revisited, 45

Effect of Calcitonin Gene-Related Peptide on Coronary Microvessels and Its Role in Acute Myocardial Ischemia, 366

Effects of Monotherapy With an HMG-CoA Reductase Inhibitor on the Progression of Coronary Atherosclerosis as Assessed by Serial Quantitative Angiography: The

Canadian Coronary Atherosclerosis Intervention Trial, 959

Focal Compensatory Enlargement of Human Arteries in Response to Progressive Atherosclerosis: In Vivo Documentation Using Intravascular Ultrasound, 2570

Noninvasive Method for Determination of Arterial Compliance Using Doppler Echocardiography and Subclavian Pulse Tracings: Validation and Clinical Application of a Physiological Model of the Circulation, 2688

Noninvasive Quantitative Evaluation of the Morphology of the Major Pulmonary Artery Branches in Cyanotic Congenital Heart Disease: Angiocardiographic and Echocardiographic Correlative Study, 1306

Intravascular Ultrasound of Coronary Arteries in Children: Assessment of the Wall Morphology and the Lumen After Kawasaki Disease, 258

Thrombin-Induced Endothelium-Dependent Inhibition and Direct Activation of Platelet-Vessel Wall Interaction: Role of Prostacyclin, Nitric Oxide, and Thromboxane A₂, 2266

Visualization of Penetrating Transmural Arteries In Situ by Monochromatic Synchrotron Radiation, 863

Aspirin

Combination Antithrombotic Therapy in Unstable Rest Angina and Non-Q-Wave Infarction in Nonprior Aspirin Users: Primary End Points Analysis From the ATACS Trial, 81

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

History of Drugs for Thrombotic Disease: Discovery, Development, and Directions for the Future, 432

Long-term Graft Patency (3 Years) After Coronary Artery Surgery: Effects of Aspirin: Results of a VA Cooperative Study, 1138

Low-Dose Aspirin Inhibits Platelet-Induced Contraction of the Human Isolated Coronary Artery: A Role for Additional 5-Hydroxytryptamine Receptor Antagonism Against Coronary Vasospasm? 623

Norepinephrine-Induced Human Platelet Activation In Vivo Is Only Partly Counteracted by Aspirin, 1951

Thromboembolic and Bleeding Complications in Patients With Mechanical Heart Valve Prostheses, 635

Atenolol

Significance of Arrhythmias During the First 24 Hours of Acute Myocardial Infarction Treated With Alteplase and Effect of Early Administration of a β -Blocker or a Bradykinin Agent on Their Incidence, 1051

Atherosclerosis

Adenovirus-Mediated Gene Transfer of Soluble Vascular Cell Adhesion Molecule to Porcine Interposition Vein Grafts, 1922

Apolipoprotein Polymorphisms Fail to Define Risk of Coronary Artery Disease: Results of a Prospective, Angiographically Controlled Study, 567

Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, II: Three-Dimensional Reconstruction and Display of Data, 718

Augmentation of the Synthesis of Plasminogen Activator Inhibitor Type-1 by Precursors of Insulin: A Potential Risk Factor for Vascular Disease, 321

Clinical and Angiographic Results of Transluminal Extraction Coronary Atherectomy in Saphenous Vein Bypass Grafts, 302

Comparison of Intravascular Ultrasound and Angiography in the Assessment of Myocardial Bridging, 1725

Compensatory Carotid Artery Dilatation in Early Atherosclerosis, 2578

Constrictor and Dilator Responses to Intracoronary Acetylcholine in Adjacent Segments of the Same Coronary Artery in Patients with Coronary Artery Disease: Endothelial Function Revisited, 45

Contrasting Effects of the Intermittent and Continuous Administration of Heparin in Experimental Restenosis, 770

Coronary Atherosclerotic Wall Thickening and Vascular Reactivity in Humans: Elevated High-Density Lipoprotein Levels Ameliorate Abnormal Vasoconstriction in Early Atherosclerosis, 2525

Effect of L-Arginine on Coronary Endothelial Function in Cardiac Transplant Recipients: Relation to Vessel Wall Morphology, 1615

Effects of Monotherapy With an HMG-CoA Reductase Inhibitor on the Progression of Coronary Atherosclerosis as Assessed by Serial Quantitative Arteriography: The Canadian Coronary Atherosclerosis Intervention Trial, 959

Enhanced Endothelial Adhesiveness in Hypercholesterolemia Is Attenuated by L-Arginine, 2176

Fast Computed Tomography Detection of Coronary Calcification in the Diagnosis of Coronary Artery Disease: Comparison With Angiography in Patients <50 Years Old, 285

Focal Compensatory Enlargement of Human Arteries in Response to Progressive Atherosclerosis: In Vivo Documentation Using Intravascular Ultrasound, 2570

Functional Improvement Precedes Structural Regression of Atherosclerosis, 1810

Inhibition of Atherosclerosis by Dietary Pectin in Microswine With Sustained Hypercholesterolemia, 1247

Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells, 13

Metoprolol Does Not Attenuate Atherosclerosis in Lipid-Fed Rabbits Exposed to Environmental Tobacco Smoke, 2260

Plasma Apolipoprotein Concentrations in Young Adults With a Parental History of Premature Coronary Heart Disease and in Control Subjects: The EARS Study, 1967

Site of Intimal Rupture or Erosion of Thrombosed Coronary Atherosclerotic Plaques Is Characterized by an Inflammatory Process Irrespective of the Dominant Plaque Morphology, 36

Use of Therapeutic Ultrasound in Percutaneous Coronary Angioplasty: Experimental In Vitro Studies and Initial Clinical Experience, 1587

Variable Expression of the Estrogen Receptor in Normal and Atherosclerotic Coronary Arteries of Premenopausal Women, 1501

Atrial flutter

Mechanism of Interruption of Atrial Flutter by Moricizine: Electrophysiological and Multiplexing Studies in the Canine Sterile Pericarditis Model of Atrial Flutter, 2860

Mechanisms of Entrainment of Human Common Flutter Studied With Multiple Endocardial Recordings, 2117

Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074

Atrial natriuretic factor

Cardiorenal and Neurohumoral Effects of Endogenous Atrial Natriuretic Peptide in Dogs With Severe Congestive Heart Failure Using a Specific Antagonist for Guanylate Cyclase-Coupled Receptors, 2232

Endothelin ET_A Receptor Antagonist Blocks Cardiac Hypertrophy Provoked by Hemodynamic Overload, 2198

N-Terminal Proatrial Natriuretic Factor: An Independent Predictor of Long-Term Prognosis After Myocardial Infarction, 1934

Atrioventricular node

Origin and Significance of Double Potentials Near the Atrioventricular Node: Correlation of Extracellular Potentials, Intracellular Potentials, and Histology, 2351

Atrium

Endothelin Production in Pulmonary Circulation of Patients With Mitral Stenosis, 2093
 High-Density Mapping of Electrically Induced Atrial Fibrillation in Humans, 1665
 In Vivo Assessment of Left Atrial Contractile Performance in Normal and Pathological Conditions Using a Time-Varying Elastance Model, 1829

Autonomic agents

Shortening of Fast Pathway Refractoriness After Slow Pathway Ablation: Effects of Autonomic Blockade, 1103

B**Balloon**

Severe Congenital Mitral Stenosis in Infants, 2099

Benzazepril

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Bimakalim

Effects of the K_{ATP} Channel Opener Bimakalim on Coronary Blood Flow, Monophasic Action Potential Duration, and Infarct Size in Dogs, 1769

Biopsy

Clinical and Prognostic Significance of Detection of Enteroviral RNA in the Myocardium of Patients With Myocarditis or Dilated Cardiomyopathy, 2582

Immediate Evaluation of Endomyocardial Biopsies for Clinically Suspected Rejection After Heart Transplantation, 2079

 β -Blockers

Effects of Long-term Monotherapy With Enalapril, Metoprolol, and Digoxin on the Progression of Left Ventricular Dysfunction and Dilatation in Dogs With Reduced Ejection Fraction, 2852

Blood flow

Enhancement of Endothelium-Dependent Vasodilation by Low-Dose Nitroglycerin in Patients With Congestive Heart Failure, 1609

Exercise Induces Cardiac Dysfunction in Both Moderate, Compensated and Severe Hypertrophy, 2219

Blood pressure

Arterial Diastolic Pressure Augmentation by Intra-aortic Balloon Counterpulsation Enhances the Onset of Coronary Artery Reperfusion by Thrombolytic Therapy, 361

Biphasic Effects of Repeated Alcohol Intake on 24-Hour Blood Pressure in Hypertensive Patients, 2626

Blood Pressure Modulation by Central Venous Pressure and Respiration: Buffering Effects of the Heart Rate Reflexes, 169

Correlates of Left Ventricular Mass in a Population Sample Aged 36 to 37 Years: Focus on Lifestyle and Salt Intake, 1041

Effects on Left Ventricular Hypertrophy of Long-term Non-pharmacological Treatment With Sodium Restriction in Mild-to-Moderate Essential Hypertension, 1023

Left Ventricular Mass and Subsequent Blood Pressure Changes Among Middle-Aged Men in Rural and Urban Japanese Populations, 1717

Nitric Oxide Regulates Basal Systemic and Pulmonary Vascular Resistance in Healthy Humans, 2035

The Australian Schools Health and Fitness Survey: Physical Fitness Related to Blood Pressure But Not Lipoproteins, 1539

Bradykinin

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Butanedione monoxime

Contraction Uncoupling With Butanedione Monoxime Versus Low Calcium or High Potassium Solutions on Flow and Contractile Function of Isolated Hearts After Prolonged Hypothermic Perfusion, 2412

Bypass

Adenovirus-Mediated Gene Transfer of Soluble Vascular Cell Adhesion Molecule to Porcine Interposition Vein Grafts, 1922

Assessment of the Immediate Effects of Cardiopulmonary Bypass on Left Ventricular Performance by On-line Pressure-Area Relations, 180

Clinical and Angiographic Results of Transluminal Extraction Coronary Atherectomy in Saphenous Vein Bypass Grafts, 302

Continuing Evolution of Therapy for Coronary Artery Disease: Initial Results From the Era of Coronary Angioplasty, 2015

Long-term Graft Patency (3 Years) After Coronary Artery Surgery: Effects of Aspirin: Results of a VA Cooperative Study, 1138

C**Calcium**

High $[Ca^{2+}]_o$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839

Cancer

Twenty-Six-Year-Old Hispanic Woman With No Medical History Presents With Pleuritic Chest Pain, 1882

Cardiac mechanics

In Vivo Assessment of Left Atrial Contractile Performance in Normal and Pathological Conditions Using a Time-Varying Elastance Model, 1829

Cardiac mortality

The Early Termination of Clinical Trials: Causes, Consequences, and Control: With Special Reference to Trials in the Field of Arrhythmias and Sudden Death, 2892

Cardiac output

Cardiovascular Responses During Static Exercise: Studies in Patients With Complete Heart Block and Dual Chamber Pacemakers, 1643

Cardiovascular Responses to Exercise: Effects of Aging and Exercise Training in Healthy Men, 1648

Cardiac tamponade

A Middle-Aged Woman With Dyspnea, Cachexia, Increased Abdominal Girth, Pericardial Effusion, and a Continuous Murmur, 484

Cardiac volume

Vasodepressor Reaction Induced by Inferior Vena Cava Occlusion and Isoproterenol in the Rat: Role of β_1 - and β_2 -Adrenergic Receptors, 2401

Cardiology

James B. Herrick Memorial Lecture, 1875

Cardiomyopathy

γ -Globulin Treatment of Acute Myocarditis in the Pediatric Population, 252

An Evaluation of Ribonuclease Protection Assays for the Detection of β -Cardiac Myosin Heavy Chain Gene Mutations, 33

Autoimmunity in Idiopathic Dilated Cardiomyopathy: Characterization of Antibodies Against the β_1 -Adrenoceptor With Positive Chronotropic Effect, 2760

Cardiac Sarcoplasmic Reticulum Calcium ATPase, an Autoimmune Antigen in Experimental Cardiomyopathy, 1217

Clinical and Prognostic Significance of Detection of Enteroviral RNA in the Myocardium of Patients With Myocarditis or Dilated Cardiomyopathy, 2582

First Use of an Untethered, Vented Electric Left Ventricular Assist Device for Long-term Support, 2908

Genotype-Phenotype Correlations in Hypertrophic Cardiomyopathy: Insights Provided by Comparisons of Kindreds With Distinct and Identical β -Myosin Heavy Chain Gene Mutations, 22

Presence, Evolving Changes, and Prognostic Implications of Myocardial Damage Detected in Idiopathic and Alcoholic Dilated Cardiomyopathy by ^{111}In Monoclonal Antimyosin Antibodies, 2054

Regional Myocardial Sympathetic Dysinnervation in Arrhythmogenic Right Ventricular Cardiomyopathy: An Analysis Using ^{123}I -Meta-Iodobenzylguanidine Scintigraphy, 667

Structural Basis of End-Stage Failure in Ischemic Cardiomyopathy in Humans, 151

Ventricular Systolic Assessment in Patients With Dilated Cardiomyopathy by Preload-Adjusted Maximal Power: Validation and Noninvasive Application, 2045

Cardiopulmonary resuscitation

Evaluation of Standard and Active Compression-Decompression CPR in an Acute Human Model of Ventricular Fibrillation, 684

Overlapping Sequential Pulses: A New Waveform for Trans-thoracic Defibrillation, 2369

Cardiovascular Images

Erosion of Lumbar Vertebral Bodies Due to Abdominal Aortic Aneurysm, 1317

Lymphocytic Myocarditis, 1890

Membranous Obstruction of the Inferior Vena Cava Treated by Percutaneous Balloon Angioplasty, 896

Papillary Fibroelastoma as an Unusual Source of Repeated Pulmonary Embolism, 2433

The Role of Clinical Trials in the Food and Drug Administration Approval Process for Cardiovascular Devices, 1900

Untreated Gangrene in Patients With Peripheral Artery Disease, 482

Cardiovascular News

Fiscal Year 1994: Great Expectations, 541

Meeting Highlights, 545, 949, 2489

NHLBI Research Training and Career Development Programs: "As ye sow . . .", 1

NHLBI Review Procedures: Reversing the Reverse Site Visit, 2487

Peter Debyeprize 1994 on Molecular Biology of Cardiovascular Diseases—Fundamental and Clinical Aspects Awarded to Drs Lydie Rappaport, Ketty Schwartz, and Bernard Swynghedauw From Unit 127 of INSERM, Paris, France, 1495

The American Heart Association Promotes the National Fund for Medical Research, 947

The NHLBI Planning Process: A Streamlined Approach, 1921

Thirty Years of Tobacco Industry Domination of Tobacco Control Efforts in the Federal Government, 543

Cardioversion

Exclusion of Atrial Thrombus by Transesophageal Echocardiography Does Not Preclude Embolism After Cardioversion of Atrial Fibrillation: A Multicenter Study, 2509

Implantable Cardioverter-Defibrillator: Lifesaver or a Device Looking for a Disease? 2934

Mortality Benefits and the Implantable Cardioverter-Defibrillator, 1851

Carotid arteries

Compensatory Carotid Artery Dilatation in Early Atherosclerosis, 2578

Plasma Angiotensin-Converting Enzyme Activity and Carotid Wall Thickening, 952

Catecholamines

Assessment of Effects of Autonomic Stimulation and Blockade on the Signal-Averaged Electrocardiogram, 1656

Effect of Physical Training on Exercise-Induced Hyperkalemia in Chronic Heart Failure: Relation With Ventilation and Catecholamines, 1144

Interaction Between Plasma Potassium and Epinephrine in Coronary Thrombosis in Dogs, 331

Catheter ablation

Radiofrequency Catheter Ablation Guided by Intracardiac Echocardiography, 1301

Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074

Catheterization

Independent Predictors of Long-term Results After Balloon Pulmonary Valvuloplasty, 1751

Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074

Catheters

A New Approach for Local Intravascular Drug Delivery: Iontophoretic Balloon, 1518

Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, I: Initial Studies, 712

Effects of Radiofrequency Catheter Ablation on Regional Myocardial Blood Flow: Possible Mechanism for Late Electrophysiological Outcome, 2667

Evaluating New Devices: Acute (In-Hospital) Results From the New Approaches to Coronary Intervention Registry, 471

Genetic Modification of the Vessel Wall: Comparison of Surgical and Catheter-Based Techniques for Delivery of Recombinant Adenovirus, 2190

Radiofrequency Catheter Ablation of Right Atriofascicular (Mahaim) Accessory Pathways Guided by Accessory Pathway Activation Potentials, 2655

Cells

Biodegradable Microspheres Containing a Colchicine Analogue Inhibit DNA Synthesis in Vascular Smooth Muscle Cells, 1929

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

Effects of β -Adrenergic Blockade on Immunologic and Cardiovascular Changes Induced by Mental Stress, 762

Efficient Repopulation of Denuded Rabbit Arteries With Autologous Genetically Modified Endothelial Cells, 2161

Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor, 1943

Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells, 13

CGP 48369

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Cholesterol

Coronary Atherosclerotic Wall Thickening and Vascular Reactivity in Humans: Elevated High-Density Lipoprotein Levels Ameliorate Abnormal Vasoconstriction in Early Atherosclerosis, 2525

Determinants of Severity of Coronary Artery Disease in Australian Men and Women, 1974

Effects of Intensive Multiple Risk Factor Reduction on Coronary Atherosclerosis and Clinical Cardiac Events in Men and Women With Coronary Artery Disease: The Stanford Coronary Risk Intervention Project (SCRIP), 975

High-Density Lipoprotein Cholesterol and Premature Coronary Heart Disease in Urban Japanese Men, 2533

In Vivo Blockade of Tumor Necrosis Factor- α in Cholesterol-Fed Rabbits After Cardiac Transplant Inhibits Acute Coronary Artery Neointimal Formation, 2768

National Cholesterol Education Program: Second Report of the Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults, 1329

Platelet Aggregation and HDL Cholesterol Are Predictive of Acute Coronary Events in Heart Transplant Recipients, 2590

Reduction in Serum Cholesterol With Pravastatin Improves Endothelium-Dependent Coronary Vasmotion in Patients With Hypercholesterolemia, 2519

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

Circadian rhythm

Diurnal Variation in Blood Pressure in Patients With Biventricular Assist Devices and Retained, Nonpumping Native Hearts, 2601

Morning Increase in Ambulatory Ischemia in Patients With Stable Coronary Artery Disease: Importance of Physical Activity and Increased Cardiac Demand, 604

Circulation

Angiogenic-Induced Enhancement of Collateral Blood Flow to Ischemic Myocardium by Vascular Endothelial Growth Factor in Dogs, 2183

Arterial Diastolic Pressure Augmentation by Intra-aortic Balloon Counterpulsation Enhances the Onset of Coronary Artery Reperfusion by Thrombolytic Therapy, 361

Ethinodiol Acutely Attenuates Abnormal Coronary Vasomotor Responses to Acetylcholine in Postmenopausal Women, 52

Ischemic Preconditioning Protects Against Coronary Endothelial Dysfunction Induced by Ischemia and Reperfusion, 1254

Role of Endothelium in the Maintenance of Low Pulmonary Vascular Tone in Normal Children, 2041

Survival in Primary Pulmonary Hypertension: Validation of a Prognostic Equation, 1733

Clinical trials

A Randomized Comparison of the Effects of Gradual Prolonged Versus Standard Primary Balloon Inflation on Early and Late Outcome: Results of a Multicenter Clinical Trial, 1118

Effects of Intensive Multiple Risk Factor Reduction on Coronary Atherosclerosis and Clinical Cardiac Events in Men and Women With Coronary Artery Disease: The Stanford Coronary Risk Intervention Project (SCRIP), 975

Clinicopathological Conferences

A 56-Year-Old Man With Acute-Onset Pulmonary Edema and Shock, 2921

A 49-Year-Old Woman With Progressive Peripheral Edema and Jugular Venous Distension After Bypass and Defibrillator Placement, 2434

A Middle-Aged Woman With Dyspnea, Cachexia, Increased Abdominal Girth, Pericardial Effusion, and a Continuous Murmur, 484

A 37-Year-Old Woman With Angina Pectoris, 898

Twenty-Six-Year-Old Hispanic Woman With No Medical History Presents With Pleuritic Chest Pain, 1882

Coagulation

Specific Factor Xa Inhibition Reduces Restenosis After Balloon Angioplasty of Atherosclerotic Femoral Arteries in Rabbits, 1262

Coarctation

Balloon Angioplasty With Stent Implantation in Experimental Coarctation of the Aorta, 2677

Colchicine

Biodegradable Microspheres Containing a Colchicine Analogue Inhibit DNA Synthesis in Vascular Smooth Muscle Cells, 1929

Collagen

Effect of Prolonged Nitrate Therapy on Left Ventricular Remodeling After Canine Acute Myocardial Infarction, 2297

Collateral circulation

Digital Angiographic Impulse Response Analysis of Regional Myocardial Perfusion: Detection of Autoregulatory Changes in Nonstenotic Coronary Arteries Induced by Collateral Flow to Adjacent Stenotic Arteries, 1004

Conduction

Identification of Concealed Posteroapical Kent Pathways by Comparison of Ventriculoatrial Intervals From Apical and Posterobasal Right Ventricular Sites, 1060

Innervation of the Human Cardiac Conduction System: A Quantitative Immunohistochemical and Histochemical Study, 1697

Interaction of Acute Ventricular Dilatation and *d*-Sotalol During Sustained Reentrant Ventricular Tachycardia Around a Fixed Obstacle, 423

Congenital heart disease

Pregnancy in Cyanotic Congenital Heart Disease: Outcome of Mother and Fetus, 2673

Congestive heart failure

Endothelin in Human Congestive Heart Failure, 1580

N-Terminal Proatrial Natriuretic Factor: An Independent Predictor of Long-term Prognosis After Myocardial Infarction, 1934

Contractility

Contraction Uncoupling With Butanedione Monoxime Versus Low Calcium or High Potassium Solutions on Flow and Contractile Function of Isolated Hearts After Prolonged Hypothermic Perfusion, 2412

Native β -Adrenergic Support for Left Ventricular Dysfunction in Experimental Mitral Regurgitation Normalizes Indexes of Pump and Contractile Function, 818

Contraction

Dynamic Training of Skeletal Muscle Ventricles: A Method to Increase Muscular Power for Cardiac Assistance, 1032

Ventricular Beats Induce Variations in Cycle Length of Rapid (Type II) Atrial Flutter in Humans: Evidence of Leading Circle Reentry, 2107

Contrast media

A Comparison of Low- With High-Osmolality Contrast Agents in Cardiac Angiography: Identification of Criteria for Selective Use, 291

Coronary arteries

Role of Vascular Endothelium in Exercise-Induced Dilation of Large Epicardial Coronary Arteries in Conscious Dogs, 2799

Coronary artery disease

Coronary Atherosclerotic Wall Thickening and Vascular Reactivity in Humans: Elevated High-Density Lipoprotein Levels Ameliorate Abnormal Vasoconstriction in Early Atherosclerosis, 2525

Correlation of Pharmacological 99m Tc-Sestamibi Myocardial Perfusion Imaging With Poststenotic Coronary Flow Reserve in Patients With Angiographically Intermediate Coronary Artery Stenoses, 2150

Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women, 2545

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography, 1004

mography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

Coronary disease

Apolipoprotein Polymorphisms Fail to Define Risk of Coronary Artery Disease: Results of a Prospective, Angiographically Controlled Study, 567

Continuing Evolution of Therapy for Coronary Artery Disease: Initial Results From the Era of Coronary Angioplasty, 2015

Effect of Transcutaneous Electrical Nerve Stimulation on Coronary Blood Flow, 694

Evidence for an Association Between Dehydroepiandrosterone Sulfate and Nonfatal, Premature Myocardial Infarction in Males, 89

Exercise Technetium-99m Sestamibi Tomography for Cardiac Risk Stratification of Patients With Stable Chest Pain, 615

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Ischemia Induces Translocation of the Insulin-Responsive Glucose Transporter GLUT4 to the Plasma Membrane of Cardiac Myocytes, 793

Myocardial Perfusion and Ventricular Function Measurements During Total Coronary Artery Occlusion in Humans: A Comparison With Rest and Exercise Radionuclide Studies, 278

Myocardial Viability in Patients With Chronic Coronary Artery Disease: Comparison of ^{99m}Tc-Sestamibi With Thallium Rejection and [¹⁸F]Fluorodeoxyglucose, 578

Oral Verapamil Inhibits Platelet Thrombus Formation in Humans, 630

Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005

Trans-Fatty Acids Intake and Risk of Myocardial Infarction, 94

Coronary flow

Comparison of Intravascular Ultrasound and Angiography in the Assessment of Myocardial Bridging, 1725

Coronary flow reserve

Is Coronary Flow Reserve in Response to Papaverine Really Normal in Syndrome X? 1998

Coronary heart disease

Physical Activity and 23-Year Incidence of Coronary Heart Disease Morbidity and Mortality Among Middle-aged Men: The Honolulu Heart Program, 2540

Prospective Study of Phobic Anxiety and Risk of Coronary Heart Disease in Men, 1992

Reversal of Coronary Heart Disease by Lipid-Lowering Therapy: Observations and Pathological Mechanisms, 2928

Cost-effectiveness

Evaluating the Potential Cost-effectiveness of Stenting as a Treatment for Symptomatic Single-Vessel Coronary Disease: Use of a Decision-Analytic Model, 1859

Coxsackievirus B3

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

Cytokines

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

In Vivo Blockade of Tumor Necrosis Factor- α in Cholesterol-Fed Rabbits After Cardiac Transplant Inhibits Acute Coronary Artery Neointimal Formation, 2768

D

Death, sudden

Dispersion of the QT Interval: A Marker of Therapeutic Efficacy in the Idiopathic Long QT Syndrome, 1681

Effect of Calcium Channel Block on the Wall Motion Abnormality of the Idiopathic Long QT Syndrome, 2126

Exercise Training Confers Anticipatory Protection From Sudden Death During Acute Myocardial Ischemia, 548

Genotype-Phenotype Correlations in Hypertrophic Cardiomyopathy: Insights Provided by Comparisons of Kindreds With Distinct and Identical β -Myosin Heavy Chain Gene Mutations, 22

Heart Disease Deaths in a Japanese Urban Area Evaluated by Clinical and Police Records, 109

Platelet Aggregation and HDL Cholesterol Are Predictive of Acute Coronary Events in Heart Transplant Recipients, 2590

Prospective Study of Phobic Anxiety and Risk of Coronary Heart Disease in Men, 1992

Prospective, Randomized Comparison in Humans of a Unipolar Defibrillation System With That Using an Additional Superior Vena Cava Electrode, 1090

Reflex Versus Tonic Vagal Activity as a Prognostic Parameter in Patients With Sustained Ventricular Tachycardia or Ventricular Fibrillation, 1068

Short-Coupled Variant of Torsade de Pointes: A New Electrocardiographic Entity in the Spectrum of Idiopathic Ventricular Tachyarrhythmias, 206

Defects

'Intramural' Residual Interventricular Defects After Repair of Conotruncal Malformations, 236

Pulmonary Atresia With Ventricular Septal Defect in Adults, 243

Defibrillation

Efficacy of a Single-Lead Unipolar Transvenous Defibrillator Compared With a System Employing an Additional Coronary Sinus Electrode: A Prospective, Randomized Study, 2641

Electrophysiological Laboratory, Electrophysiologist-Implanted, Nonthoracotomy-Implantable Cardioverter/Defibrillators, 2503

Mortality Benefits and the Implantable Cardioverter-Defibrillator, 1851

Prospective, Randomized Comparison in Humans of a Unipolar Defibrillation System With That Using an Additional Superior Vena Cava Electrode, 1090

Rise in Chronic Defibrillation Thresholds in Nonthoracotomy Implantable Defibrillator, 216

Ventricular Proarrhythmic Effects of Ventricular Cycle Length and Shock Strength in a Sheep Model of Transvenous Atrial Defibrillation, 413

Dehydroepiandrosterone sulfate

Evidence for an Association Between Dehydroepiandrosterone Sulfate and Nonfatal, Premature Myocardial Infarction in Males, 89

Depolarizing

Effect of Calcium Channel Block on the Wall Motion Abnormality of the Idiopathic Long QT Syndrome, 2126

Diabetes mellitus

Augmentation of the Synthesis of Plasminogen Activator Inhibitor Type-1 by Precursors of Insulin: A Potential Risk Factor for Vascular Disease, 321

Dyslipidemia and Ischemic Heart Disease Mortality Among Men and Women With Diabetes, 991

Diastole

Acute Effects of Nitric Oxide on Left Ventricular Relaxation and Diastolic Distensibility in Humans: Assessment by Bicoronal Sodium Nitroprusside Infusion, 2070

Alterations in Left Ventricular Twist Mechanics With Inotropic Stimulation and Volume Loading in Human Subjects, 142

Central and Peripheral Limitations to Upright Exercise in Untrained Cardiac Transplant Recipients, 2605

Intracoronary Angiotensin-Converting Enzyme Inhibition Improves Diastolic Function in Patients With Hypertensive Left Ventricular Hypertrophy, 2616

Mechanism of Altered Patterns of Left Ventricular Filling During the Development of Congestive Heart Failure, 2241

Mitral A Velocity Wave Transit Time to the Outflow Tract as a Measure of Left Ventricular Diastolic Stiffness: Hemodynamic Correlations in Patients With Coronary Artery Disease, 553

Novel Cardiac Myofilament Desensitizing Factor Released by Endocardial and Vascular Endothelial Cells, 2492

Prevalence and Predictors of Audible Physiological Third Heart Sound in a Population Sample Aged 36 to 37 Years, 1189

Serial Echocardiographic Assessment of Left Ventricular Geometry and Function After Large Myocardial Infarction in the Rat, 345

Diatrizoate

A Comparison of Low- With High-Osmolality Contrast Agents in Cardiac Angiography: Identification of Criteria for Selective Use, 291

Diet

Dietary Iron Intake and Risk of Coronary Disease Among Men, 969

Effects of Intensive Multiple Risk Factor Reduction on Coronary Atherosclerosis and Clinical Cardiac Events in Men and Women With Coronary Artery Disease: The Stanford Coronary Risk Intervention Project (SCRIP), 975

Inhibition of Atherosclerosis by Dietary Pectin in Microswine With Sustained Hypercholesterolemia, 1247

Trans-Fatty Acids Intake and Risk of Myocardial Infarction, 94

Digitalis

Effects of Long-term Monotherapy With Enalapril, Metoprolol, and Digoxin on the Progression of Left Ventricular Dysfunction and Dilatation in Dogs With Reduced Ejection Fraction, 2852

Dilatation

Interaction of Acute Ventricular Dilatation and *d*-Sotalol During Sustained Reentrant Ventricular Tachycardia Around a Fixed Obstacle, 423

Structural Basis of End-Stage Failure in Ischemic Cardiomyopathy in Humans, 151

Dipyridamole

Assessment of Anatomic and Physiological Severity of Single-Vessel Coronary Artery Lesions by Dipyridamole Echocardiography: Comparison With Positron Emission Tomography and Quantitative Arteriography, 753

Diagnostic and Prognostic Value of Dipyridamole Echocardiography in Patients With Suspected Coronary Artery Disease: Comparison With Exercise Electrocardiography, 1160

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

DMP 728

Antiplatelet and Antithrombotic Efficacy of DMP 728, a Novel Platelet GPIIb/IIIa Receptor Antagonist, 3

Dobutamine

Effects of Intracoronary Acetylcholine and Atropine on Basal and Dobutamine-Stimulated Left Ventricular Contractility, 164

Relation Between Left Ventricular Oxygen Consumption and Pressure-Volume Area in Conscious Dogs, 810

E

Echocardiography

Assessment of Anatomic and Physiological Severity of Single-Vessel Coronary Artery Lesions by Dipyridamole Echocardiography: Comparison With Positron Emission Tomography and Quantitative Arteriography, 753

Assessment of the Immediate Effects of Cardiopulmonary Bypass on Left Ventricular Performance by On-line Pressure-Area Relations, 180

Diagnostic and Prognostic Value of Dipyridamole Echocardiography in Patients With Suspected Coronary Artery Disease: Comparison With Exercise Electrocardiography, 1160

Dynamic Nature of the Aortic Regurgitant Orifice Area During Diastole in Patients With Chronic Aortic Regurgitation, 2085

Echocardiographic Predictors of Nonrheumatic Atrial Fibrillation: The Framingham Heart Study, 724

Effect of Calcium Channel Block on the Wall Motion Abnormality of the Idiopathic Long QT Syndrome, 2126

Evaluation of Mitral Regurgitation Using a Digitally Determined Color Doppler Flow Convergence 'Centerline' Acceleration Method: Studies in an Animal Model With Quantified Mitral Regurgitation, 2879

Exclusion of Atrial Thrombus by Transesophageal Echocardiography Does Not Preclude Embolism After Cardioversion of Atrial Fibrillation: A Multicenter Study, 2509

Identification of Coronary Artery Stenoses and Poststenotic Blood Flow Patterns Using a Miniature High-Frequency Epicardial Transducer, 731

Intramachine and Intermachine Variability in Transesophageal Color Doppler Images of Pulsatile Jets: In Vitro Studies, 2141

Left Ventricular Mass and Subsequent Blood Pressure Changes Among Middle-Aged Men in Rural and Urban Japanese Populations, 1717

Microvascular Integrity Indicates Myocellular Viability in Patients With Recent Myocardial Infarction: New Insights Using Myocardial Contrast Echocardiography, 2562

Mitral Valve Replacement Versus Mitral Valve Repair: A Doppler and Quantitative Stress Echocardiographic Study, 132

Noninvasive Method for Determination of Arterial Compliance Using Doppler Echocardiography and Subclavian Pulse Tracings: Validation and Clinical Application of a Physiological Model of the Circulation, 2688

Noninvasive Quantitative Evaluation of the Morphology of the Major Pulmonary Artery Branches in Cyanotic Congenital Heart Disease: Angiographic and Echocardiographic Correlative Study, 1306

Presence, Evolving Changes, and Prognostic Implications of Myocardial Damage Detected in Idiopathic and Alcoholic Dilated Cardiomyopathy by ¹¹¹In Monoclonal Antimyosin Antibodies, 2054

Radiofrequency Catheter Ablation Guided by Intracardiac Echocardiography, 1301

Serial Echocardiographic Assessment of Left Ventricular Geometry and Function After Large Myocardial Infarction in the Rat, 345

Three-dimensional Echocardiography: In Vivo Validation for Right Ventricular Volume and Function, 2342
 Three-Year Outcome After Balloon Aortic Valvuloplasty: Insights Into Prognosis of Valvular Aortic Stenosis, 642
 Usefulness of Transesophageal Echocardiography for Diagnosis of Infected Transvenous Permanent Pacemakers, 2684

Edema

A 56-Year-Old Man With Acute-Onset Pulmonary Edema and Shock, 2921

Editorials

Cardiovascular Devices and the Food and Drug Administration, 1903
 Implantable Cardioverter-Defibrillator: Lifesaver or a Device Looking for a Disease? 2934
 Intracoronary Stents: A Breakthrough Technology or Just Another Small Step? 1323
 Mirror, Mirror on the Wall . . . Stereochemistry in Therapeutics, 2451
 Molecular Genetics: Therapy or Terror? 499
 Role of Inflammation in Coronary Plaque Disruption, 503
 Sick Vessel Syndrome: Can Atherosclerotic Arteries Recover? 2447
 The Endothelin System: A New Target for Therapeutic Intervention, 1320
 Tissue Angiotensin System in Cardiovascular Medicine: A Paradigm Shift? 493
 Valve Resistance, 893
 Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 909

Elasticity

In Vivo Assessment of Left Atrial Contractile Performance in Normal and Pathological Conditions Using a Time-Varying Elastance Model, 1829

Electric stimulation

Dynamic Training of Skeletal Muscle Ventricles: A Method To Increase Muscular Power for Cardiac Assistance, 1032
 Overlapping Sequential Pulses: A New Waveform for Trans-thoracic Defibrillation, 2369

Electrocardiography

Assessment of Effects of Autonomic Stimulation and Blockade on the Signal-Averaged Electrocardiogram, 1656
 Elucidation of Prinzmetal's Variant Form of Preexcitation, 2380
 Modulation of Procainamide's Effect on Cardiac Conduction in Dogs by Extracellular Potassium Concentration: A Quantitative Analysis, 2870
 Morning Increase in Ambulatory Ischemia in Patients With Stable Coronary Artery Disease: Importance of Physical Activity and Increased Cardiac Demand, 604
 Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 909

Electrophysiology

Electrophysiological Laboratory, Electrophysiologist-Implanted, Nonthoracotomy-Implantable Cardioverter/Defibrillators, 2503
 High $[Ca^{2+}]_o$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839
 Radiofrequency Ablation Therapy in Idiopathic Left Ventricular Tachycardia With No Obvious Structural Heart Disease, 1690
 Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 909

Embolism

Thromboembolic and Bleeding Complications in Patients With Mechanical Heart Valve Prostheses, 635

EMD 52692

Effects of the K_{ATP} Channel Opener Bimakalim on Coronary Blood Flow, Monophasic Action Potential Duration, and Infarct Size in Dogs, 1769

Enalaprilat

Intracoronary Angiotensin-Converting Enzyme Inhibition Improves Diastolic Function in Patients With Hypertensive Left Ventricular Hypertrophy, 2616

Enantiomers

An Enantiomer-Enantiomer Interaction of (S)- and (R)-Propafenone Modifies the Effect of Racemic Drug Therapy, 2396

Endocardium

High $[Ca^{2+}]_o$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839

Relation of Regional Cross-Fiber Shortening to Wall Thickening in the Intact Heart: Three-dimensional Strain Analysis by NMR Tagging, 1174

Endothelin

Both ET_A and ET_B Receptors Mediate Contraction to Endothelin-1 in Human Blood Vessels, 1203

Endothelin ET_A Receptor Antagonist Blocks Cardiac Hypertrophy Provoked by Hemodynamic Overload, 2198

Endothelin in Human Congestive Heart Failure, 1580

Plasma Endothelin Determination as a Prognostic Indicator of 1-Year Mortality After Acute Myocardial Infarction, 1573

The Endothelin System: A New Target for Therapeutic Intervention, 1320

Endothelium

Alterations in Coronary Artery Vascular Reactivity of Hypertensive Ren-2 Transgenic Rats, 2780

Angiogenic-Induced Enhancement of Collateral Blood Flow to Ischemic Myocardium by Vascular Endothelial Growth Factor in Dogs, 2183

Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women, 2545

Efficient Repopulation of Denuded Rabbit Arteries With Autologous Genetically Modified Endothelial Cells, 2161

Enhanced Cholinergic Cutaneous Vasodilation in Raynaud's Phenomenon, 1183

Genetic Modification of the Vessel Wall: Comparison of Surgical and Catheter-Based Techniques for Delivery of Recombinant Adenovirus, 2190

Involvement of 5-HT₂ Receptors in Chronic Endothelial Dysfunction After Balloon Injury of Porcine Coronary Arteries, 1776

Ischemic Preconditioning Protects Against Coronary Endothelial Dysfunction Induced by Ischemia and Reperfusion, 1254

Nitric Oxide Mediates Flow-Dependent Epicardial Coronary Vasodilation to Changes in Pulse Frequency But Not Mean Flow in Conscious Dogs, 375

Nitric Oxide Regulates Basal Systemic and Pulmonary Vascular Resistance in Healthy Humans, 2035

Role of Vascular Endothelium in Exercise-Induced Dilatation of Large Epicardial Coronary Arteries in Conscious Dogs, 2799

The Endothelin System: A New Target for Therapeutic Intervention, 1320

Tissue Plasminogen Activator, Plasminogen Activator Inhibitor-1, and Fibrin as Indexes of Clinical Course in Cardiac Allograft Recipients: An Immunocytochemical Study, 1599

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Endothelium-derived factors

- Effect of L-Arginine on Coronary Endothelial Function in Cardiac Transplant Recipients: Relation to Vessel Wall Morphology, 1615
- Enhanced Endothelial Adhesiveness in Hypercholesterolemia Is Attenuated by L-Arginine, 2176
- Increased Vascular Responsiveness to Norepinephrine in Rats With Heart Failure Is Endothelium Dependent: Dissociation of Basal and Stimulated Nitric Oxide Release, 393
- Role of Endothelium in the Maintenance of Low Pulmonary Vascular Tone in Normal Children, 2041
- Reduction in Serum Cholesterol With Pravastatin Improves Endothelium-Dependent Coronary Vasomotion in Patients With Hypercholesterolemia, 2519

Enzymes

- Comparative Effects of Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling After Myocardial Infarction in the Rat, 2273
- Intracoronary Angiotensin-Converting Enzyme Inhibition Improves Diastolic Function in Patients With Hypertensive Left Ventricular Hypertrophy, 2616
- Plasma Angiotensin-Converting Enzyme Activity and Carotid Wall Thickening, 952
- Quantitative Two-dimensional Echocardiographic Measurements Are Major Predictors of Adverse Cardiovascular Events After Acute Myocardial Infarction: The Protective Effects of Captopril, 68
- Renin Is Not Synthesized by Cardiac and Extrarenal Vascular Tissues: A Review of Experimental Evidence, 458

Epicardium

- Relation of Regional Cross-Fiber Shortening to Wall Thickening in the Intact Heart: Three-dimensional Strain Analysis by NMR Tagging, 1174

Epidemiology

- Echocardiographic Predictors of Nonrheumatic Atrial Fibrillation: The Framingham Heart Study, 724
- High-Density Lipoprotein Cholesterol and Premature Coronary Heart Disease in Urban Japanese Men, 2533

Epinephrine

- Liposome-Bound Prostaglandin E₁ Often Prevents Cyclic Flow Variations in Stenosed and Endothelium-Injured Canine Coronary Arteries, 1786

Estradiol

- Evidence for an Association Between Dehydroepiandrosterone Sulfate and Nonfatal, Premature Myocardial Infarction in Males, 89

17 β -Estradiol

- 17 β -Estradiol Preserves Endothelial Vasodilator Function and Limits Low-Density Lipoprotein Oxidation in Hypercholesterolemic Swine, 2251

Estrogen

- Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women, 2545
- Ethinodiol Acutely Attenuates Abnormal Coronary Vasomotor Responses to Acetylcholine in Postmenopausal Women, 52
- 17 β -Estradiol Preserves Endothelial Vasodilator Function and Limits Low-Density Lipoprotein Oxidation in Hypercholesterolemic Swine, 2251
- Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor, 1943

Excitation

- Ventricular Beats Induce Variations in Cycle Length of Rapid (Type II) Atrial Flutter in Humans: Evidence of Leading Circle Reentry, 2107

Exercise

- Arterial Reactivity Is Significantly Impaired in Normotensive Young Adults After Successful Repair of Aortic Coarctation in Childhood, 1745
- Cardiovascular Responses During Static Exercise: Studies in Patients With Complete Heart Block and Dual Chamber Pacemakers, 1643
- Cardiovascular Responses to Exercise: Effects of Aging and Exercise Training in Healthy Men, 1648
- Central and Peripheral Limitations to Upright Exercise in Untrained Cardiac Transplant Recipients, 2605
- Chronic Dynamic Exercise Improves a Functional Abnormality of the G Stimulatory Protein in Cardiomyopathic BIO 53.58 Syrian Hamsters, 836
- Detection of Myocardial Ischemia by ³¹P Magnetic Resonance Spectroscopy During Handgrip Exercise, 1709
- Effect of Endurance Training Early or Late After Coronary Artery Occlusion on Left Ventricular Remodeling, Hemodynamics, and Survival in Rats With Chronic Transmural Myocardial Infarction, 402
- Effect of Physical Training on Exercise-Induced Hyperkalemia in Chronic Heart Failure: Relation With Ventilation and Catecholamines, 1144
- Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624
- Effects of Intensive Multiple Risk Factor Reduction on Coronary Atherosclerosis and Clinical Cardiac Events in Men and Women With Coronary Artery Disease: The Stanford Coronary Risk Intervention Project (SCRIP), 975
- Enhanced Left Ventricular Performance in Endurance Trained Older Men, 198
- Exercise Induces Cardiac Dysfunction in Both Moderate, Compensated and Severe Hypertrophy, 2219
- Exercise Technetium-99m Sestamibi Tomography for Cardiac Risk Stratification of Patients With Stable Chest Pain, 615
- Exercise Training Confers Anticipatory Protection From Sudden Death During Acute Myocardial Ischemia, 548
- Heart Rate and Force-Frequency Effects on Diastolic Function of the Left Ventricle in Exercising Dogs, 2361
- Is 'Silent' Myocardial Ischemia Really as Severe as Symptomatic Ischemia? The Analytical Effect of Patient Selection Biases, 1958
- Mitral Valve Replacement Versus Mitral Valve Repair: A Doppler and Quantitative Stress Echocardiographic Study, 132
- Morning Increase in Ambulatory Ischemia in Patients With Stable Coronary Artery Disease: Importance of Physical Activity and Increased Cardiac Demand, 604
- Physical Activity and 23-Year Incidence of Coronary Heart Disease Morbidity and Mortality Among Middle-aged Men: The Honolulu Heart Program, 2540
- Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005
- Role of Vascular Endothelium in Exercise-Induced Dilatation of Large Epicardial Coronary Arteries in Conscious Dogs, 2799
- The Role of Right and Left Ventricular Function in the Ventilatory Response to Exercise in Chronic Heart Failure, 2062

F

Fatty acids

- Trans-Fatty Acids Intake and Risk of Myocardial Infarction, 94

Ferritin

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Fibrillation

Asymptomatic Arrhythmias in Patients With Symptomatic Paroxysmal Atrial Fibrillation and Paroxysmal Supraventricular Tachycardia, 224

Echocardiographic Predictors of Nonrheumatic Atrial Fibrillation: The Framingham Heart Study, 724

Efficacy of a Single-Lead Unipolar Transvenous Defibrillator Compared With a System Employing an Additional Coronary Sinus Electrode: A Prospective, Randomized Study, 2641

Exclusion of Atrial Thrombus by Transesophageal Echocardiography Does Not Preclude Embolism After Cardioversion of Atrial Fibrillation: A Multicenter Study, 2509

Exercise Training Confers Anticipatory Protection From Sudden Death During Acute Myocardial Ischemia, 548

High-Density Mapping of Electrically Induced Atrial Fibrillation in Humans, 1665

Prospective, Randomized Comparison in Humans of a Unipolar Defibrillation System With That Using an Additional Superior Vena Cava Electrode, 1090

Short-Coupled Variant of Torsade de Pointes: A New Electrocardiographic Entity in the Spectrum of Idiopathic Ventricular Tachyarrhythmias, 206

Temporal Trends (1975 Through 1990) in the Incidence and Case-Fatality Rates of Primary Ventricular Fibrillation Complicating Acute Myocardial Infarction: A Communitywide Perspective, 998

Ventricular Proarrhythmic Effects of Ventricular Cycle Length and Shock Strength in a Sheep Model of Transvenous Atrial Defibrillation, 413

Will Relaxing Safe Current Limits for Electromedical Equipment Increase Hazards to Patients? 909

Fibrinolysis

Abrupt Complement Activation and Transient Neutropenia in Patients With Acute Myocardial Infarction Treated With Streptokinase, 76

Augmentation of the Synthesis of Plasminogen Activator Inhibitor Type-1 by Precursors of Insulin: A Potential Risk Factor for Vascular Disease, 321

Expression of Type 1 Plasminogen Activator Inhibitor in Chronic Pulmonary Thromboemboli, 2715

Tissue Plasminogen Activator, Plasminogen Activator Inhibitor-1, and Fibrin as Indexes of Clinical Course in Cardiac Allograft Recipients: An Immunocytochemical Study, 1599

Flow

Enhanced Cholinergic Cutaneous Vasodilation in Raynaud's Phenomenon, 1183

Evaluation of Mitral Regurgitation Using a Digitally Determined Color Doppler Flow Convergence 'Centerline' Acceleration Method: Studies in an Animal Model With Quantified Mitral Regurgitation, 2879

Identification of Coronary Artery Stenoses and Poststenotic Blood Flow Patterns Using a Miniature High-Frequency Epicardial Transducer, 731

Liposome-Bound Prostaglandin E₁ Often Prevents Cyclic Flow Variations in Stenosed and Endothelium-Injured Canine Coronary Arteries, 1786

Nitric Oxide Mediates Flow-Dependent Epicardial Coronary Vasodilation to Changes in Pulse Frequency but Not Mean Flow in Conscious Dogs, 375

Fluoroscopy

Reduction of Radiation Exposure While Maintaining High-Quality Fluoroscopic Images During Interventional Cardiology Using Novel X-ray Tube Technology With Extra Beam Filtering, 2710

Follow-up studies

Higher Risk of Cardiovascular Mortality Among Lean Hypertensive Individuals in Tecumseh, Michigan, 703

Fontan procedure

Reconsideration of Criteria for the Fontan Operation: Influence of Pulmonary Artery Size on Postoperative Hemodynamics of the Fontan Operation, 1196

Fosinopril

Angiotensin-Converting Enzyme Inhibition With Fosinopril Sodium in the Prevention of Restenosis After Coronary Angioplasty, 385

Free radicals

Marked Reduction in Myocardial Infarct Size Due to Prolonged Infusion of an Antioxidant During Reperfusion, 1792

Recombinant Human Superoxide Dismutase (h-SOD) Fails to Improve Recovery of Ventricular Function in Patients Undergoing Coronary Angioplasty for Acute Myocardial Infarction, 1982

G**Genes**

Adenovirus-Mediated Gene Transfer of Soluble Vascular Cell Adhesion Molecule to Porcine Interposition Vein Grafts, 1922

Angiopeptin Inhibits Oncogene Induction in Rabbit Aorta After Balloon Denudation, 2327

Genetic Modification of the Vessel Wall: Comparison of Surgical and Catheter-Based Techniques for Delivery of Recombinant Adenovirus, 2190

Genetics

An Evaluation of Ribonuclease Protection Assays for the Detection of β -Cardiac Myosin Heavy Chain Gene Mutations, 33

Apolipoprotein Polymorphisms Fail to Define Risk of Coronary Artery Disease: Results of a Prospective, Angiographically Controlled Study, 567

Efficient Repopulation of Denuded Rabbit Arteries With Autologous Genetically Modified Endothelial Cells, 2161

Genotype-Phenotype Correlations in Hypertrophic Cardiomyopathy: Insights Provided by Comparisons of Kindreds With Distinct and Identical β -Myosin Heavy Chain Gene Mutations, 22

Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor, 1943

Isoform-Specific Regulation of Myocardial Na,K-ATPase α -Subunit in Congestive Heart Failure: Role of Norepinephrine, 313

Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells, 13

Molecular Evidence for Induction of Intracellular Adhesion Molecule-1 in the Viable Border Zone Associated With Ischemia-Reperfusion Injury of the Dog Heart, 2736

Rheumatic Fever and the HLA Complex: A Cosegregation Study, 138

Use of the Rabbit Ear Artery to Serially Assess Foreign Protein Secretion After Site-Specific Arterial Gene Transfer In Vivo: Evidence That Anatomic Identification of Successful Gene Transfer May Underestimate the Potential Magnitude of Transgene Expression, 785

Glutathione peroxidase

Probucol Promotes Endogenous Antioxidants and Provides Protection Against Adriamycin-Induced Cardiomyopathy in Rats, 2829

Glycoproteins

Antiplatelet and Antithrombotic Efficacy of DMP 728, a Novel Platelet GPIIb/IIIa Receptor Antagonist, 3

Randomized Trial of a GPIIb/IIIa Platelet Receptor Blocker in Refractory Unstable Angina, 596

Growth substances

Angiogenic-Induced Enhancement of Collateral Blood Flow to Ischemic Myocardium by Vascular Endothelial Growth Factor in Dogs, 2183
 Localization of Insulin-Like Growth Factor I and Inhibition of Coronary Smooth Muscle Cell Growth by Somatostatin Analogs in Human Coronary Smooth Muscle Cells: A Potential Treatment for Restenosis? 1511

Guanosine

Cardiorenal and Neurohumoral Effects of Endogenous Atrial Natriuretic Peptide in Dogs With Severe Congestive Heart Failure Using a Specific Antagonist for Guanylate Cyclase-Coupled Receptors, 2232

H**Heart-assist device**

Diurnal Variation in Blood Pressure in Patients With Biventricular Assist Devices and Retained, Nonpumping Native Hearts, 2601
 First Use of an Untethered, Vented Electric Left Ventricular Assist Device for Long-term Support, 2908

Heart block

Cardiovascular Responses During Static Exercise: Studies in Patients With Complete Heart Block and Dual Chamber Pacemakers, 1643

Heart diseases

Dietary Iron Intake and Risk of Coronary Disease Among Men, 969
 Heart Disease Deaths in a Japanese Urban Area Evaluated by Clinical and Police Records, 109
 Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074
 Three-Year Outcome After Balloon Aortic Valvuloplasty: Insights Into Prognosis of Valvular Aortic Stenosis, 642
 Treatment of Ventricular Tachycardia by Transcatheter Radiofrequency Ablation in Patients With Ischemic Heart Disease, 1094

Heart failure

Abnormalities of Cardiac Sympathetic Function in Pacing-Induced Heart Failure as Assessed by $[^{123}\text{I}]$ Metaiodobenzylguanidine Scintigraphy, 2843
 Cardiorenal and Neurohumoral Effects of Endogenous Atrial Natriuretic Peptide in Dogs With Severe Congestive Heart Failure Using a Specific Antagonist for Guanylate Cyclase-Coupled Receptors, 2232
 Dose-Response of Chronic β -Blocker Treatment in Heart Failure From Either Idiopathic Dilated or Ischemic Cardiomyopathy, 1632
 Effect of Acute Magnesium Administration on the Frequency of Ventricular Arrhythmia in Patients With Heart Failure, 660
 Effect of Physical Training on Exercise-Induced Hyperkalemia in Chronic Heart Failure: Relation With Ventilation and Catecholamines, 1144
 Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624
 Endothelin in Human Congestive Heart Failure, 1580
 Heart Disease Deaths in a Japanese Urban Area Evaluated by Clinical and Police Records, 109
 In Vivo Assessment of Left Atrial Contractile Performance in Normal and Pathological Conditions Using a Time-Varying Elastance Model, 1829
 Isoform-Specific Regulation of Myocardial Na,K-ATPase α -Subunit in Congestive Heart Failure: Role of Norepinephrine, 313
 Mechanism of Altered Patterns of Left Ventricular Filling During the Development of Congestive Heart Failure, 2241

Plasma Endothelin Determination as a Prognostic Indicator of 1-Year Mortality After Acute Myocardial Infarction, 1573

Probucol Promotes Endogenous Antioxidants and Provides Protection Against Adriamycin-Induced Cardiomyopathy in Rats, 2829

Quantitative Two-dimensional Echocardiographic Measurements Are Major Predictors of Adverse Cardiovascular Events After Acute Myocardial Infarction: The Protective Effects of Captopril, 68

The Impending Crisis Awaiting Cardiac Transplantation: Modeling a Solution Based on Selection, 450

The Role of Right and Left Ventricular Function in the Ventilatory Response to Exercise in Chronic Heart Failure, 2062

Vesnarinone, a New Inotropic Agent, Inhibits Cytokine Production by Stimulated Human Blood From Patients With Heart Failure, 955

Heart rate

Blood Pressure Modulation by Central Venous Pressure and Respiration: Buffering Effects of the Heart Rate Reflexes, 169

Heart Rate and Force-Frequency Effects on Diastolic Function of the Left Ventricle in Exercising Dogs, 2361

Morning Increase in Ambulatory Ischemia in Patients With Stable Coronary Artery Disease: Importance of Physical Activity and Increased Cardiac Demand, 604

Reflex Versus Tonic Vagal Activity as a Prognostic Parameter in Patients With Sustained Ventricular Tachycardia or Ventricular Fibrillation, 1068

Ventricular Proarrhythmic Effects of Ventricular Cycle Length and Shock Strength in a Sheep Model of Transvenous Atrial Defibrillation, 413

Heart sounds

Prevalence and Predictors of Audible Physiological Third Heart Sound in a Population Sample Aged 36 to 37 Years, 1189

Hemodynamics

Central and Peripheral Limitations to Upright Exercise in Untrained Cardiac Transplant Recipients, 2605

Comparative Effects of Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling After Myocardial Infarction in the Rat, 2273

Dependence of Gorlin Formula and Continuity Equation Valve Areas on Transvalvular Volume Flow Rate in Valvular Aortic Stenosis, 827

Pulmonary Hypertension in Patients With Human Immunodeficiency Virus Infection: Comparison With Primary Pulmonary Hypertension, 2722

Reconsideration of Criteria for the Fontan Operation: Influence of Pulmonary Artery Size on Postoperative Hemodynamics of the Fontan Operation, 266

Reconsideration of Criteria for the Fontan Operation: Influence of Pulmonary Artery Size on Postoperative Hemodynamics of the Fontan Operation, 1196

Valve Resistance, 893

Hemoglobin

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Heparin

A Pilot, Early Angiographic Patency Study Using a Direct Thrombin Inhibitor as Adjunctive Therapy to Streptokinase in Acute Myocardial Infarction, 1567

Heparin Neutralization by Platelet-Rich Thrombi: Role of Platelet Factor 4, 1523

Hirudin

Combination of Platelet Fibrinogen Receptor Antagonist and Direct Thrombin Inhibitor at Low Doses Markedly Improves Thrombolysis, 1802
 Heparin Neutralization by Platelet-Rich Thrombi: Role of Platelet Factor 4, 1523
 Recombinant Hirudin for Unstable Angina Pectoris: A Multicenter, Randomized Angiographic Trial, 1557

His bundle

Elucidation of Prinzmetal's Variant Form of Preexcitation, 2380

Hormones

Diurnal Variation in Blood Pressure in Patients With Biventricular Assist Devices and Retained, Nonpumping Native Hearts, 2601
 Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor, 1943

Hybridization

Molecular Evidence for Induction of Intracellular Adhesion Molecule-1 in the Viable Border Zone Associated With Ischemia-Reperfusion Injury of the Dog Heart, 2736

Hydroxymethylglutaryl-CoA reductase

Effects of Monotherapy With an HMG-CoA Reductase Inhibitor on the Progression of Coronary Atherosclerosis as Assessed by Serial Quantitative Arteriography: The Canadian Coronary Atherosclerosis Intervention Trial, 959

5-Hydroxytryptamine

Involvement of 5-HT₂ Receptors in Chronic Endothelial Dysfunction After Balloon Injury of Porcine Coronary Arteries, 1776
 Low-Dose Aspirin Inhibits Platelet-Induced Contraction of the Human Isolated Coronary Artery: A Role for Additional 5-Hydroxytryptamine Receptor Antagonism Against Coronary Vasospasm? 623

Hypercholesterolemia

17 β -Estradiol Preserves Endothelial Vasodilator Function and Limits Low-Density Lipoprotein Oxidation in Hypercholesterolemic Swine, 2251
 Reduction in Serum Cholesterol With Pravastatin Improves Endothelium-Dependent Coronary Vasomotion in Patients With Hypercholesterolemia, 2519

Hyperplasia

The Relative Importance of Arterial Remodeling Compared With Intimal Hyperplasia in Lumen Renarrowing After Balloon Angioplasty: A Study in the Normal Rabbit and the Hypercholesterolemic Yucatan Micropig, 2816

Hypertension

Alterations in Coronary Artery Vascular Reactivity of Hypertensive Ren-2 Transgenic Rats, 2780
 Angiotensin II Receptor Antagonist TCV-116 Induces Regression of Hypertensive Left Ventricular Hypertrophy In Vivo and Inhibits the Intracellular Signaling Pathway of Stretch-Mediated Cardiomyocyte Hypertrophy In Vitro, 2204
 Arterial Reactivity Is Significantly Impaired in Normotensive Young Adults After Successful Repair of Aortic Coarctation in Childhood, 1745
 Biphasic Effects of Repeated Alcohol Intake on 24-Hour Blood Pressure in Hypertensive Patients, 2626
 Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153
 Body Fat and Sympathetic Nerve Activity in Healthy Subjects, 2634
 Effects on Left Ventricular Hypertrophy of Long-term Non-pharmacological Treatment With Sodium Restriction in Mild-to-Moderate Essential Hypertension, 1023

Higher Risk of Cardiovascular Mortality Among Lean Hypertensive Individuals in Tecumseh, Michigan, 703**Induction of Myocardial Insulin-Like Growth Factor-I Gene Expression in Left Ventricular Hypertrophy, 799****Intramural Myocardial Shortening in Hypertensive Left Ventricular Hypertrophy With Normal Pump Function, 122****Pulmonary Hypertension in Patients With Human Immunodeficiency Virus Infection: Comparison With Primary Pulmonary Hypertension, 2722****Renin Is Not Synthesized by Cardiac and Extrarenal Vascular Tissues: A Review of Experimental Evidence, 458****Survival in Primary Pulmonary Hypertension: Validation of a Prognostic Equation, 1733****Hypertrophy****An Evaluation of Ribonuclease Protection Assays for the Detection of β -Cardiac Myosin Heavy Chain Gene Mutations, 33****Angiotensin II Receptor Antagonist TCV-116 Induces Regression of Hypertensive Left Ventricular Hypertrophy In Vivo and Inhibits the Intracellular Signaling Pathway of Stretch-Mediated Cardiomyocyte Hypertrophy In Vitro, 2204****Effect of Prolonged Nitrate Therapy on Left Ventricular Remodeling After Canine Acute Myocardial Infarction, 2297****Effects on Left Ventricular Hypertrophy of Long-term Non-pharmacological Treatment With Sodium Restriction in Mild-to-Moderate Essential Hypertension, 1023****Exercise Induces Cardiac Dysfunction in Both Moderate, Compensated and Severe Hypertrophy, 2219****Intracoronary Angiotensin-Converting Enzyme Inhibition Improves Diastolic Function in Patients With Hypertensive Left Ventricular Hypertrophy, 2616****Intramural Myocardial Shortening in Hypertensive Left Ventricular Hypertrophy With Normal Pump Function, 122****Serial Echocardiographic Assessment of Left Ventricular Geometry and Function After Large Myocardial Infarction in the Rat, 345****Structural Basis of End-Stage Failure in Ischemic Cardiomyopathy in Humans, 151****Hypotension****Abrupt Complement Activation and Transient Neutropenia in Patients With Acute Myocardial Infarction Treated With Streptokinase, 76****Esmolol Tilt Testing With Esmolol Withdrawal for the Evaluation of Syncope in the Young, 228****Hypothermia****Contraction Uncoupling With Butanedione Monoxime Versus Low Calcium or High Potassium Solutions on Flow and Contractile Function of Isolated Hearts After Prolonged Hypothermic Perfusion, 2412****Hypoxia****Endogenous Adenosine Does Not Activate ATP-Sensitive Potassium Channels in the Hypoxic Guinea Pig Ventricle In Vivo, 1209****I****Imaging****Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, I: Initial Studies, 712****Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, II: Three-Dimensional Reconstruction and Display of Data, 718****Improving Detection of Coronary Morphological Features From Digital Angiograms: Effect of Stenosis-Stabilized Display, 2700****Kinetic Properties of 99m Tc-Q12 in Canine Myocardium, 1291**

New $\text{Na}^+ \text{-H}^+$ Exchange Inhibitor HOE 694 Improves Post-ischemic Function and High-Energy Phosphate Resynthesis and Reduces Ca^{2+} Overload in Isolated Perfused Rabbit Heart, 2787

Redistribution of ^{99m}Tc -Sestamibi and ^{201}Tl in the Presence of a Severe Coronary Artery Stenosis, 2332

Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

Immunohistochemistry

Innervation of the Human Cardiac Conduction System: A Quantitative Immunohistochemical and Histochemical Study, 1697

Indomethacin

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Infarction

Changes in Passive Mechanical Stiffness of Myocardial Tissue With Aneurysm Formation, 2315

Comparative Effects of Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling After Myocardial Infarction in the Rat, 2273

Coronary Reperfusion Enhances Recovery of Atrial Natriuretic Peptide Secretion: Salvaging Endocrine Function in Patients With Acute Right Ventricular Infarction, 558

Effect of Prolonged Nitrate Therapy on Left Ventricular Remodeling After Canine Acute Myocardial Infarction, 2297

Effects of the K_{ATP} Channel Opener Bimakalim on Coronary Blood Flow, Monophasic Action Potential Duration, and Infarct Size in Dogs, 1769

Magnetic Resonance Imaging of Chronic Myocardial Infarcts in Formalin-Fixed Human Autopsy Hearts, 2133

Microvascular Integrity Indicates Myocellular Viability in Patients With Recent Myocardial Infarction: New Insights Using Myocardial Contrast Echocardiography, 2562

Predictive Value of Reactive Hyperemic Response on Reperfusion on Recovery of Regional Myocardial Function After Coronary Angioplasty in Acute Myocardial Infarction, 1109

Temporal Trends (1975 Through 1990) in the Incidence and Case-Fatality Rates of Primary Ventricular Fibrillation Complicating Acute Myocardial Infarction: A Communitywide Perspective, 998

Innervation

Innervation of the Human Cardiac Conduction System: A Quantitative Immunohistochemical and Histochemical Study, 1697

Inotropic agents

Intracoronary Versus Intravenous Effects of Cocaine on Coronary Flow and Ventricular Function, 1819

Novel Cardiac Myofilament Desensitizing Factor Released by Endocardial and Vascular Endothelial Cells, 2492

Vesnarinone, a New Inotropic Agent, Inhibits Cytokine Production by Stimulated Human Blood From Patients With Heart Failure, 955

Insulin

Augmentation of the Synthesis of Plasminogen Activator Inhibitor Type-1 by Precursors of Insulin: A Potential Risk Factor for Vascular Disease, 321

Integrelin

Combination of Platelet Fibrinogen Receptor Antagonist and Direct Thrombin Inhibitor at Low Doses Markedly Improves Thrombolysis, 1802

Interleukin-2

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

Intervals

Dispersion of the QT Interval: A Marker of Therapeutic Efficacy in the Idiopathic Long QT Syndrome, 1681

Identification of Concealed Posteroapical Kent Pathways by Comparison of Ventriculoatrial Intervals From Apical and Posteroapical Right Ventricular Sites, 1060

Mitral A Velocity Wave Transit Time to the Outflow Tract as a Measure of Left Ventricular Diastolic Stiffness: Hemodynamic Correlations in Patients With Coronary Artery Disease, 553

Short-Coupled Variant of Torsade de Pointes: A New Electrocardiographic Entity in the Spectrum of Idiopathic Ventricular Tachyarrhythmias, 206

Iohexol

A Comparison of Low- With High-Osmolality Contrast Agents in Cardiac Angiography: Identification of Criteria for Selective Use, 291

Ions

Reduced Calcium Currents in Subendocardial Purkinje Myocytes That Survive in the 24- and 48-Hour Infarcted Heart, 2747

Iron

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Ischemia

A Comparison of Adenosine-Induced Cardioprotection and Ischemic Preconditioning in Dogs: Efficacy, Time Course, and Role of K_{ATP} Channels, 1229

Assessment of Anatomic and Physiological Severity of Single-Vessel Coronary Artery Lesions by Dipyridamole Echocardiography: Comparison With Positron Emission Tomography and Quantitative Angiography, 753

Combination Antithrombotic Therapy in Unstable Rest Angina and Non-Q-Wave Infarction in Nonprior Aspirin Users: Primary End Points Analysis From the ATACS Trial, 81

Diagnostic and Prognostic Value of Dipyridamole Echocardiography in Patients With Suspected Coronary Artery Disease: Comparison With Exercise Electrocardiography, 1160

Dyslipidemia and Ischemic Heart Disease Mortality Among Men and Women With Diabetes, 991

Effect of Calcitonin Gene-Related Peptide on Coronary Microvessels and Its Role in Acute Myocardial Ischemia, 366

Effect of Ischemic Preconditioning on Interstitial Purine Metabolite and Lactate Accumulation During Myocardial Ischemia, 2283

Enhancement of Regional Myocardial Efficiency and Persistence of Perfusion, Oxidative, and Functional Reserve With Paired Pacing of Stunned Myocardium, 2290

Guidelines for the Management of Transient Ischemic Attacks: From the Ad Hoc Committee on Guidelines for the Management of Transient Ischemic Attacks of the Stroke Council of the American Heart Association, 2950

Heart Disease Deaths in a Japanese Urban Area Evaluated by Clinical and Police Records, 109

Heat-Shock Protein Induction in Rat Hearts: A Direct Correlation Between the Amount of Heat-Shock Protein Induced and the Degree of Myocardial Protection, 355

Immediate Evaluation of Endomyocardial Biopsies for Clinically Suspected Rejection After Heart Transplantation, 2079

Infarct Size-Limiting Effect of Ischemic Preconditioning Is Blunted by Inhibition of 5'-Nucleotidase Activity and Attenuation of Adenosine Release, 1237

Is 'Silent' Myocardial Ischemia Really as Severe as Symptomatic Ischemia? The Analytical Effect of Patient Selection Biases, 1958

Ischemic Preconditioning Protects Against Coronary Endothelial Dysfunction Induced by Ischemia and Reperfusion, 1254

Marked Reduction in Myocardial Infarct Size Due to Prolonged Infusion of an Antioxidant During Reperfusion, 1792

Morning Increase in Ambulatory Ischemia in Patients With Stable Coronary Artery Disease: Importance of Physical Activity and Increased Cardiac Demand, 604

Myocardial Perfusion and Ventricular Function Measurements During Total Coronary Artery Occlusion in Humans: A Comparison With Rest and Exercise Radionuclide Studies, 278

Myocardial Viability in Patients With Chronic Coronary Artery Disease: Comparison of ^{99m}Tc-Sestamibi With Thallium Reinjection and ^{[18]F}Fluorodeoxyglucose, 578

New Na⁺-H⁺ Exchange Inhibitor HOE 694 Improves Post-ischemic Function and High-Energy Phosphate Resynthesis and Reduces Ca²⁺ Overload in Isolated Perfused Rabbit Heart, 2787

Nicotine Exacerbates Postischemic Contractile Dysfunction of 'Stunned' Myocardium in the Canine Model: Possible Role of Free Radicals, 1272

Redistribution of ^{99m}Tc-Sestamibi and ²⁰¹Tl in the Presence of a Severe Coronary Artery Stenosis, 2332

Treatment of Ventricular Tachycardia by Transcatheter Radiofrequency Ablation in Patients With Ischemic Heart Disease, 1094

Isosorbide dinitrate

Potentiation of Isosorbide Dinitrate Effects With N-Acetylcysteine in Patients With Chronic Heart Failure, 2595

J

James B. Herrick Lecture

James B. Herrick Memorial Lecture, 1875

Japanese-Americans

Physical Activity and 23-Year Incidence of Coronary Heart Disease Morbidity and Mortality Among Middle-aged Men: The Honolulu Heart Program, 2540

K

Kawasaki disease

Guidelines for Long-term Management of Patients With Kawasaki Disease: Report From the Committee on Rheumatic Fever, Endocarditis, and Kawasaki Disease, Council on Cardiovascular Disease in the Young, American Heart Association, 916

Intravascular Ultrasound of Coronary Arteries in Children: Assessment of the Wall Morphology and the Lumen After Kawasaki Disease, 258

Key References

Key References on Coronary Artery Spasm, 2442

Key References on Thrombolytic Therapy 1983-1993, 1892

Reversal of Coronary Heart Disease by Lipid-Lowering Therapy: Observations and Pathological Mechanisms, 2928

L

Lasers

Evaluating New Devices: Acute (In-Hospital) Results From the New Approaches to Coronary Intervention Registry, 471

Leukocytes

Abrupt Complement Activation and Transient Neutropenia in Patients With Acute Myocardial Infarction Treated With Streptokinase, 76

Molecular Evidence for Induction of Intracellular Adhesion Molecule-1 in the Viable Border Zone Associated With Ischemia-Reperfusion Injury of the Dog Heart, 2736

Rheumatic Fever and the HLA Complex: A Cosegregation Study, 138

Lifestyle

Correlates of Left Ventricular Mass in a Population Sample Aged 36 to 37 Years: Focus on Lifestyle and Salt Intake, 1041

Lipids

Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells, 13

Plasma Apolipoprotein Concentrations in Young Adults With a Parental History of Premature Coronary Heart Disease and in Control Subjects: The EARS Study, 1967

Probucol Promotes Endogenous Antioxidants and Provides Protection Against Adriamycin-Induced Cardiomyopathy in Rats, 2829

Reversal of Coronary Heart Disease by Lipid-Lowering Therapy: Observations and Pathological Mechanisms, 2928

The Australian Schools Health and Fitness Survey: Physical Fitness Related to Blood Pressure But Not Lipoproteins, 1539

Lipoproteins

17 β -Estradiol Preserves Endothelial Vasodilator Function and Limits Low-Density Lipoprotein Oxidation in Hypercholesterolemic Swine, 2251

Coronary Atherosclerotic Wall Thickening and Vascular Reactivity in Humans: Elevated High-Density Lipoprotein Levels Ameliorate Abnormal Vasoconstriction in Early Atherosclerosis, 2525

Determinants of Severity of Coronary Artery Disease in Australian Men and Women, 1974

Dyslipidemia and Ischemic Heart Disease Mortality Among Men and Women With Diabetes, 991

Evidence for an Association Between Dehydroepiandrosterone Sulfate and Nonfatal, Premature Myocardial Infarction in Males, 89

Lipoprotein(a) in Restenosis After Percutaneous Transluminal Coronary Angioplasty and Coronary Artery Disease, 1593

Losartan

Comparative Effects of Chronic Angiotensin-Converting Enzyme Inhibition and Angiotensin II Type 1 Receptor Blockade on Cardiac Remodeling After Myocardial Infarction in the Rat, 2273

Lovastatin

Effects of Monotherapy With an HMG-CoA Reductase Inhibitor on the Progression of Coronary Atherosclerosis as Assessed by Serial Quantitative Arteriography: The Canadian Coronary Atherosclerosis Intervention Trial, 959

Lung

Role of Endothelium in the Maintenance of Low Pulmonary Vascular Tone in Normal Children, 2041

Lymphocytes

Effects of β -Adrenergic Blockade on Immunologic and Cardiovascular Changes Induced by Mental Stress, 762

M**Magnesium**

Effect of Acute Magnesium Administration on the Frequency of Ventricular Arrhythmia in Patients With Heart Failure, 660

Magnetic resonance imaging

Detection of Myocardial Ischemia by ^{31}P Magnetic Resonance Spectroscopy During Handgrip Exercise, 1709

Dynamic Nature of the Aortic Regurgitant Orifice Area During Diastole in Patients With Chronic Aortic Regurgitation, 2085

Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624

Magnetic Resonance Imaging of Chronic Myocardial Infarcts in Formalin-Fixed Human Autopsy Hearts, 2133

Relation of Regional Cross-Fiber Shortening to Wall Thickening in the Intact Heart: Three-dimensional Strain Analysis by NMR Tagging, 1174

Two-dimensional Left Ventricular Deformation During Systole Using Magnetic Resonance Imaging With Spatial Modulation of Magnetization, 740

Mahaim

Radiofrequency Catheter Ablation of Right Atriofascicular (Mahaim) Accessory Pathways Guided by Accessory Pathway Activation Potentials, 2655

Major histocompatibility complex

T-Cell Receptor V β Gene Expression in Infiltrating Cells in Murine Hearts With Acute Myocarditis Caused by Coxackievirus B3, 2170

Mapping

High-Density Mapping of Electrically Induced Atrial Fibrillation in Humans, 1665

Mechanisms of Entrainment of Human Common Flutter Studied With Multiple Endocardial Recordings, 2117

Mechanics

Alterations in Left Ventricular Twist Mechanics With Inotropic Stimulation and Volume Loading in Human Subjects, 142

Menopause

Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women, 2545

N-2-Mercaptopropionyl glycine

Nicotine Exacerbates Postischemic Contractile Dysfunction of 'Stunned' Myocardium in the Canine Model: Possible Role of Free Radicals, 1272

Meta-analysis

Thromboembolic and Bleeding Complications in Patients With Mechanical Heart Valve Prostheses, 635

Metabolism

Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624

Enhancement of Regional Myocardial Efficiency and Persistence of Perfusion, Oxidative, and Functional Reserve With Paired Pacing of Stunned Myocardium, 2290

Ischemia Induces Translocation of the Insulin-Responsive Glucose Transporter GLUT4 to the Plasma Membrane of Cardiac Myocytes, 793

Metaiodobenzylguanidine

Abnormalities of Cardiac Sympathetic Function in Pacing-Induced Heart Failure as Assessed by $[^{123}\text{I}]$ Metaiodobenzylguanidine Scintigraphy, 2843

Methoxamine

Increased Vascular Responsiveness to Norepinephrine in Rats With Heart Failure Is Endothelium Dependent: Dissociation of Basal and Stimulated Nitric Oxide Release, 393

Methylene blue

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Metoprolol

Metoprolol Does Not Attenuate Atherosclerosis in Lipid-Fed Rabbits Exposed to Environmental Tobacco Smoke, 2260

Regional Myocardial Sympathetic Dysinnervation in Arrhythmogenic Right Ventricular Cardiomyopathy: An Analysis Using $[^{123}\text{I}]$ -Meta-Iodobenzylguanidine Scintigraphy, 667

Microcirculation

Effect of Calcitonin Gene-Related Peptide on Coronary Microvessels and Its Role in Acute Myocardial Ischemia, 366

Intracoronary Versus Intravenous Effects of Cocaine on Coronary Flow and Ventricular Function, 1819

Tissue Plasminogen Activator, Plasminogen Activator Inhibitor-1, and Fibrin as Indexes of Clinical Course in Cardiac Allograft Recipients: An Immunocytochemical Study, 1599

Microspheres

Visualization of Penetrating Transmural Arteries In Situ by Monochromatic Synchrotron Radiation, 863

Microvasculature

Effects of Radiofrequency Catheter Ablation on Regional Myocardial Blood Flow: Possible Mechanism for Late Electrophysiological Outcome, 2667

Microwave

Microwave Catheter Ablation of Myocardium In Vitro: Assessment of the Characteristics of Tissue Heating and Injury, 2390

Mitral valve

Native β -Adrenergic Support for Left Ventricular Dysfunction in Experimental Mitral Regurgitation Normalizes Indexes of Pump and Contractile Function, 818

Prediction of Outcome After Valve Replacement for Rheumatic Mitral Regurgitation in the Era of Chordal Preservation, 191

Severe Congenital Mitral Stenosis in Infants, 2099

Molecules, adhesion

Differential Expression of the Cell Adhesion Molecules ICAM-1, VCAM-1, and E-Selectin in Normal and Post-transplantation Myocardium: Cell Adhesion Molecule Expression in Human Cardiac Allografts, 1760

 N^6 -Monomethyl-L-arginine

Nitric Oxide Regulates Basal Systemic and Pulmonary Vascular Resistance in Healthy Humans, 2035

Morbidity

A Prospective Study of the Health Effects of Alcohol Consumption in Middle-Aged and Elderly Men: The Honolulu Heart Program, 651

Temporal Trends (1975 Through 1990) in the Incidence and Case-Fatality Rates of Primary Ventricular Fibrillation Complicating Acute Myocardial Infarction: A Communitywide Perspective, 998

Moricizine

Mechanism of Interruption of Atrial Flutter by Moricizine: Electrophysiological and Multiplexing Studies in the Canine Sterile Pericarditis Model of Atrial Flutter, 2860

Morphometry

Magnetic Resonance Imaging of Chronic Myocardial Infarcts in Formalin-Fixed Human Autopsy Hearts, 2133

Mortality

A Prospective Study of the Health Effects of Alcohol Consumption in Middle-Aged and Elderly Men: The Honolulu Heart Program, 651

Dyslipidemia and Ischemic Heart Disease Mortality Among Men and Women With Diabetes, 991

Long-term Prognostic Importance of Patency of the Infarct-Related Coronary Artery After Thrombolytic Therapy for Acute Myocardial Infarction, 61

Mortality Benefits and the Implantable Cardioverter-Defibrillator, 1851

Pulmonary Hypertension in Patients With Human Immunodeficiency Virus Infection: Comparison With Primary Pulmonary Hypertension, 2722

Temporal Trends (1975 Through 1990) in the Incidence and Case-Fatality Rates of Primary Ventricular Fibrillation Complicating Acute Myocardial Infarction: A Communitywide Perspective, 998

Three-Year Outcome After Balloon Aortic Valvuloplasty: Insights Into Prognosis of Valvular Aortic Stenosis, 642

Murmurs

A Middle-Aged Woman With Dyspnea, Cachexia, Increased Abdominal Girth, Pericardial Effusion, and a Continuous Murmur, 484

Muscle, smooth

Biodegradable Microspheres Containing a Colchicine Analogue Inhibit DNA Synthesis in Vascular Smooth Muscle Cells, 1929

Human Vascular Smooth Muscle Cells Contain Functional Estrogen Receptor, 1943

Localization of Insulin-Like Growth Factor I and Inhibition of Coronary Smooth Muscle Cell Growth by Somatostatin Analogs in Human Coronary Smooth Muscle Cells: A Potential Treatment for Restenosis? 1511

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Muscles

Dynamic Training of Skeletal Muscle Ventricles: A Method To Increase Muscular Power for Cardiac Assistance, 1032

Myocardial contraction

Cardiac Sarcoplasmic Reticulum Calcium ATPase, an Autoimmune Antigen in Experimental Cardiomyopathy, 1217

Novel Cardiac Myofilament Desensitizing Factor Released by Endocardial and Vascular Endothelial Cells, 2492

Myocardial function

Exercise Induces Cardiac Dysfunction in Both Moderate, Compensated and Severe Hypertrophy, 2219

Myocardial infarction

Earlier Diagnosis and Treatment of Acute Myocardial Infarction Necessitates the Need for a 'New Diagnostic Mind-set,' 872

Effect of Endurance Training Early or Late After Coronary Artery Occlusion on Left Ventricular Remodeling, Hemodynamics, and Survival in Rats With Chronic Transmural Myocardial Infarction, 402

Effects of Tissue Plasminogen Activator and a Comparison of Early Invasive and Conservative Strategies in Unstable Angina and Non-Q-Wave Myocardial Infarction: Results of the TIMI IIIB Trial, 1545

Exposure to Environmental Tobacco Smoke Increases Myocardial Infarct Size in Rats, 1282

Increased Vascular Responsiveness to Norepinephrine in Rats With Heart Failure Is Endothelium Dependent: Dissociation of Basal and Stimulated Nitric Oxide Release, 393

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Low Iron-Binding Capacity as a Risk Factor for Myocardial Infarction, 102

N-Terminal Proatrial Natriuretic Factor: An Independent Predictor of Long-Term Prognosis After Myocardial Infarction, 1934

Plasma Endothelin Determination as a Prognostic Indicator of 1-Year Mortality After Acute Myocardial Infarction, 1573

Platelet Aggregation and HDL Cholesterol Are Predictive of Acute Coronary Events in Heart Transplant Recipients, 2590

Quantitative Two-dimensional Echocardiographic Measurements Are Major Predictors of Adverse Cardiovascular Events After Acute Myocardial Infarction: The Protective Effects of Captopril, 68

Recombinant Human Superoxide Dismutase (h-SOD) Fails to Improve Recovery of Ventricular Function in Patients Undergoing Coronary Angioplasty for Acute Myocardial Infarction, 1982

Reduced Calcium Currents in Subendocardial Purkinje Myocytes That Survive in the 24- and 48-Hour Infarcted Heart, 2747

Serial Echocardiographic Assessment of Left Ventricular Geometry and Function After Large Myocardial Infarction in the Rat, 345

Site of Intimal Rupture or Erosion of Thrombosed Coronary Atherosclerotic Plaques Is Characterized by an Inflammatory Process Irrespective of the Dominant Plaque Morphology, 36

Trans-Fatty Acids Intake and Risk of Myocardial Infarction, 94

Myocarditis

Cardiac Sarcoplasmic Reticulum Calcium ATPase, an Autoimmune Antigen in Experimental Cardiomyopathy, 1217

Clinical and Prognostic Significance of Detection of Enteroviral RNA in the Myocardium of Patients With Myocarditis or Dilated Cardiomyopathy, 2582

Cytokine and Murine Coxsackievirus B3 Myocarditis: Interleukin-2 Suppressed Myocarditis in the Acute Stage But Enhanced the Condition in the Subsequent Stage, 2836

Therapeutic Effect of Anti-Tumor Necrosis Factor- α Antibody on the Murine Model of Viral Myocarditis Induced by Encephalomyocarditis Virus, 846

Myocardium

γ -Globulin Treatment of Acute Myocarditis in the Pediatric Population, 252

Changes in Passive Mechanical Stiffness of Myocardial Tissue With Aneurysm Formation, 2315

Comparison of Intravascular Ultrasound and Angiography in the Assessment of Myocardial Bridging, 1725

Detection of Myocardial Ischemia by ^{31}P Magnetic Resonance Spectroscopy During Handgrip Exercise, 1709

Differential Expression of the Cell Adhesion Molecules ICAM-1, VCAM-1, and E-Selectin in Normal and Post-transplantation Myocardium: Cell Adhesion Molecule Expression in Human Cardiac Allografts, 1760

High $[\text{Ca}^{2+}]_{\text{c}}$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839

Infarct Size-Limiting Effect of Ischemic Preconditioning Is Blunted by Inhibition of 5'-Nucleotidase Activity and Attenuation of Adenosine Release, 1237

Kinetic Properties of $^{99\text{m}}\text{Tc}$ -Q12 in Canine Myocardium, 1291

Mapping of Reset of Anatomic and Functional Reentry in Anisotropic Rabbit Ventricular Myocardium, 852

Microwave Catheter Ablation of Myocardium In Vitro: Assessment of the Characteristics of Tissue Heating and Injury, 2390

Molecular Evidence for Induction of Intracellular Adhesion Molecule-1 in the Viable Border Zone Associated With Ischemia-Reperfusion Injury of the Dog Heart, 2736

Myocardial Viability in Patients With Chronic Coronary Artery Disease: Comparison of 99m Tc-Sestamibi With Thallium Rejection and $[^{18}$ F]Fluorodeoxyglucose, 578

Predicting Recovery of Severe Regional Ventricular Dysfunction: Comparison of Resting Scintigraphy With 201 Tl and 99m Tc-Sestamibi, 2552

Redistribution of 99m Tc-Sestamibi and 201 Tl in the Presence of a Severe Coronary Artery Stenosis, 2332

Relation Between Left Ventricular Oxygen Consumption and Pressure-Volume Area in Conscious Dogs, 810

Myocytes

Autoimmunity in Idiopathic Dilated Cardiomyopathy: Characterization of Antibodies Against the β -Adrenoceptor With Positive Chronotropic Effect, 2760

Myosin

An Evaluation of Ribonuclease Protection Assays for the Detection of β -Cardiac Myosin Heavy Chain Gene Mutations, 33

Genotype-Phenotype Correlations in Hypertrophic Cardiomyopathy: Insights Provided by Comparisons of Kindreds With Distinct and Identical β -Myosin Heavy Chain Gene Mutations, 22

Induction of Myocardial Insulin-Like Growth Factor-I Gene Expression in Left Ventricular Hypertrophy, 799

N

Natriuretic peptides

Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153

Nervous system

Abnormalities of Cardiac Sympathetic Function in Pacing-Induced Heart Failure as Assessed by $[^{123}$ I]Metaiodobenzylguanidine Scintigraphy, 2843

Body Fat and Sympathetic Nerve Activity in Healthy Subjects, 2634

Esmolol Tilt Testing With Esmolol Withdrawal for the Evaluation of Syncope in the Young, 228

Reflex Versus Tonic Vagal Activity as a Prognostic Parameter in Patients With Sustained Ventricular Tachycardia or Ventricular Fibrillation, 1068

Regional Myocardial Sympathetic Dysinnervation in Arrhythmogenic Right Ventricular Cardiomyopathy: An Analysis Using 123 I-Meta-Iodobenzylguanidine Scintigraphy, 667

Neuropeptides

Innervation of the Human Cardiac Conduction System: A Quantitative Immunohistochemical and Histochemical Study, 1697

Nicotine

Exposure to Environmental Tobacco Smoke Increases Myocardial Infarct Size in Rats, 1282

Nifedipine

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Nitric oxide

Acute Effects of Nitric Oxide on Left Ventricular Relaxation and Diastolic Distensibility in Humans: Assessment by Bicorony Sodium Nitroprusside Infusion, 2070

Alterations in Coronary Artery Vascular Reactivity of Hypertensive Ren-2 Transgenic Rats, 2780

Effects of Physiological Levels of Estrogen on Coronary Vasomotor Function in Postmenopausal Women, 2545

Ischemic Preconditioning Protects Against Coronary Endothelial Dysfunction Induced by Ischemia and Reperfusion, 1254

Nitric Oxide Mediates Flow-Dependent Epicardial Coronary Vasodilation to Changes in Pulse Frequency But Not Mean Flow in Conscious Dogs, 375

N^G-Nitro-L-arginine methyl ester

Thrombin-Induced Endothelium-Dependent Inhibition and Direct Activation of Platelet-Vessel Wall Interaction: Role of Prostacyclin, Nitric Oxide, and Thromboxane A₂, 2266

Nitroglycerin

Exhaled Nitric Oxide as a Marker for Organic Nitrate Tolerance, 2498

Potentiation of Isosorbide Dinitrate Effects With N-Acetyl-cysteine in Patients With Chronic Heart Failure, 2595

Nitroprusside

Acute Effects of Nitric Oxide on Left Ventricular Relaxation and Diastolic Distensibility in Humans: Assessment by Bicorony Sodium Nitroprusside Infusion, 2070

Vasodilator Responses of Coronary Resistance Arteries of Exercise-Trained Pigs, 2308

Norepinephrine

Abnormalities of Cardiac Sympathetic Function in Pacing-Induced Heart Failure as Assessed by $[^{123}$ I]Metaiodobenzylguanidine Scintigraphy, 2843

Effect of Transcutaneous Electrical Nerve Stimulation on Coronary Blood Flow, 694

Isoform-Specific Regulation of Myocardial Na,K-ATPase α -Subunit in Congestive Heart Failure: Role of Norepinephrine, 313

Norepinephrine-Induced Human Platelet Activation In Vivo Is Only Partly Counteracted by Aspirin, 1951

Vascular Injury Augments Adrenergic Neurotransmission, 777

Nuclear medicine

Presence, Evolving Changes, and Prognostic Implications of Myocardial Damage Detected in Idiopathic and Alcoholic Dilated Cardiomyopathy by 111 In Monoclonal Antimyosin Antibodies, 2054

O

Obesity

Body Fat and Sympathetic Nerve Activity in Healthy Subjects, 2634

Higher Risk of Cardiovascular Mortality Among Lean Hypertensive Individuals in Tecumseh, Michigan, 703

Prevalence and Predictors of Audible Physiological Third Heart Sound in a Population Sample Aged 36 to 37 Years, 1189

Occlusions

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

Ouabain

Isoform-Specific Regulation of Myocardial Na,K-ATPase α -Subunit in Congestive Heart Failure: Role of Norepinephrine, 313

Oxygen

Marked Reduction in Myocardial Infarct Size Due to Prolonged Infusion of an Antioxidant During Reperfusion, 1792

P

Pacemakers

Usefulness of Transesophageal Echocardiography for Diagnosis of Infected Transvenous Permanent Pacemakers, 2684

Pacing

Cardiovascular Responses During Static Exercise: Studies in Patients With Complete Heart Block and Dual Chamber Pacemakers, 1643

High-Density Mapping of Electrically Induced Atrial Fibrillation in Humans, 1665

Papaverine
Is Coronary Flow Reserve in Response to Papaverine Really Normal in Syndrome X? 1998

Pathology
Differences in Compensatory Vessel Enlargement, Not Intimal Formation, Account for Restenosis After Angioplasty in the Hypercholesterolemic Rabbit Model, 2809

Peptides
Coronary Reperfusion Enhances Recovery of Atrial Natriuretic Peptide Secretion: Salvaging Endocrine Function in Patients With Acute Right Ventricular Infarction, 558

Effect of Calcitonin Gene-Related Peptide on Coronary Microvessels and Its Role in Acute Myocardial Ischemia, 366

Induction of Myocardial Insulin-Like Growth Factor-I Gene Expression in Left Ventricular Hypertrophy, 799

Specific Factor Xa Inhibition Reduces Restenosis After Balloon Angioplasty of Atherosclerotic Femoral Arteries in Rabbits, 1262

Perfusion
A Randomized Comparison of the Effects of Gradual Prolonged Versus Standard Primary Balloon Inflation on Early and Late Outcome: Results of a Multicenter Clinical Trial, 1118

Correlation of Pharmacological 99m Tc-Sestamibi Myocardial Perfusion Imaging With Poststenotic Coronary Flow Reserve in Patients With Angiographically Intermediate Coronary Artery Stenoses, 2150

Digital Angiographic Impulse Response Analysis of Regional Myocardial Perfusion: Detection of Autoregulatory Changes in Nonstenotic Coronary Arteries Induced by Collateral Flow to Adjacent Stenotic Arteries, 1004

Evaluation of Standard and Active Compression-Decompression CPR in an Acute Human Model of Ventricular Fibrillation, 684

Intracoronary Versus Intravenous Effects of Cocaine on Coronary Flow and Ventricular Function, 1819

Kinetic Properties of 99m Tc-Q12 in Canine Myocardium, 1291

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

Pericarditis
Adenosine Deaminase and Carcinoembryonic Antigen in Pericardial Effusion Diagnosis, Especially in Suspected Tuberculous Pericarditis, 2728

Mechanism of Interruption of Atrial Flutter by Moricizine: Electrophysiological and Multiplexing Studies in the Canine Sterile Pericarditis Model of Atrial Flutter, 2860

Twenty-Six-Year-Old Hispanic Woman With No Medical History Presents With Pleuritic Chest Pain, 1882

Pharmacokinetics
Contrasting Effects of the Intermittent and Continuous Administration of Heparin in Experimental Restenosis, 770

Physiology
Shortening of Fast Pathway Refractoriness After Slow Pathway Ablation: Effects of Autonomic Blockade, 1103

Pharmacogenetics
Expression of Type 1 Plasminogen Activator Inhibitor in Chronic Pulmonary Thromboemboli, 2715

Plasminogen activators
Arterial Diastolic Pressure Augmentation by Intra-aortic Balloon Counterpulsation Enhances the Onset of Coronary Artery Reperfusion by Thrombolytic Therapy, 361

Augmentation of the Synthesis of Plasminogen Activator Inhibitor Type-1 by Precursors of Insulin: A Potential Risk Factor for Vascular Disease, 321

Blockade of Platelet Membrane Glycoprotein Ib Receptors Delays Intracoronary Thrombogenesis, Enhances Thrombolysis, and Delays Coronary Artery Reocclusion in Dogs, 2822

Combination of Platelet Fibrinogen Receptor Antagonist and Direct Thrombin Inhibitor at Low Doses Markedly Improves Thrombolysis, 1802

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

Long-term Prognostic Importance of Patency of the Infarct-Related Coronary Artery After Thrombolytic Therapy for Acute Myocardial Infarction, 61

Tissue Plasminogen Activator, Plasminogen Activator Inhibitor-1, and Fibrin as Indexes of Clinical Course in Cardiac Allograft Recipients: An Immunocytochemical Study, 1599

Platelets
Antiplatelet and Antithrombotic Efficacy of DMP 728, a Novel Platelet GPIIb/IIIa Receptor Antagonist, 3

Blockade of Platelet Membrane Glycoprotein Ib Receptors Delays Intracoronary Thrombogenesis, Enhances Thrombolysis, and Delays Coronary Artery Reocclusion in Dogs, 2822

Interaction Between Plasma Potassium and Epinephrine in Coronary Thrombosis in Dogs, 331

Liposome-Bound Prostaglandin E₁ Often Prevents Cyclic Flow Variations in Stenosed and Endothelium-Injured Canine Coronary Arteries, 1786

Norepinephrine-Induced Human Platelet Activation In Vivo Is Only Partly Counteracted by Aspirin, 1951

Oral Verapamil Inhibits Platelet Thrombus Formation in Humans, 630

Platelet Aggregation and HDL Cholesterol Are Predictive of Acute Coronary Events in Heart Transplant Recipients, 2590

Randomized Trial of a GPIIb/IIIa Platelet Receptor Blocker in Refractory Unstable Angina, 596

Randomized Trial of Ridogrel, a Combined Thromboxane A₂ Synthase Inhibitor and Thromboxane A₂/Prostaglandin Endoperoxide Receptor Antagonist, Versus Aspirin as Adjunct to Thrombolysis in Patients With Acute Myocardial Infarction: The Ridogrel Versus Aspirin Patency Trial (RAPT), 588

Role of Inflammation in Coronary Plaque Disruption, 503

Polymerase chain reaction
T-Cell Receptor V β Gene Expression in Infiltrating Cells in Murine Hearts With Acute Myocarditis Caused by Coxackievirus B3, 2170

Potassium
A Comparison of Adenosine-Induced Cardioprotection and Ischemic Preconditioning in Dogs: Efficacy, Time Course, and Role of K_{ATP} Channels, 1229

Effect of Physical Training on Exercise-Induced Hyperkalemia in Chronic Heart Failure: Relation With Ventilation and Catecholamines, 1144

Effects of the K_{ATP} Channel Opener Bimakalim on Coronary Blood Flow, Monophasic Action Potential Duration, and Infarct Size in Dogs, 1769

Endogenous Adenosine Does Not Activate ATP-Sensitive Potassium Channels in the Hypoxic Guinea Pig Ventricles In Vivo, 1209

Interaction Between Plasma Potassium and Epinephrine in Coronary Thrombosis in Dogs, 331

Pravastatin
Reduction in Serum Cholesterol With Pravastatin Improves Endothelium-Dependent Coronary Vasomotion in Patients With Hypercholesterolemia, 2519

Preconditioning

Effect of Ischemic Preconditioning on Interstitial Purine Metabolite and Lactate Accumulation During Myocardial Ischemia, 2283

Preeexcitation

Elucidation of Prinzmetal's Variant Form of Preeexcitation, 2380

Pregnancy

Pregnancy in Cyanotic Congenital Heart Disease: Outcome of Mother and Fetus, 2673

Pressure

Angiotensin II Receptor Antagonist TCV-116 Induces Regression of Hypertensive Left Ventricular Hypertrophy In Vivo and Inhibits the Intracellular Signaling Pathway of Stretch-Mediated Cardiomyocyte Hypertrophy In Vitro, 2204

Coronary Flow Reserve Calculated From Pressure Measurements in Humans: Validation With Positron Emission Tomography, 1013

Evaluation of Standard and Active Compression-Decompression CPR in an Acute Human Model of Ventricular Fibrillation, 684

Induction of Myocardial Insulin-Like Growth Factor-I Gene Expression in Left Ventricular Hypertrophy, 799

Noninvasive Method for Determination of Arterial Compliance Using Doppler Echocardiography and Subclavian Pulse Tracings: Validation and Clinical Application of a Physiological Model of the Circulation, 2688

Reconsideration of Criteria for the Fontan Operation: Influence of Pulmonary Artery Size on Postoperative Hemodynamics of the Fontan Operation, 266

Relation Between Left Ventricular Oxygen Consumption and Pressure-Volume Area in Conscious Dogs, 810

Ventricular Systolic Assessment in Patients With Dilated Cardiomyopathy by Preload-Adjusted Maximal Power: Validation and Noninvasive Application, 2045

Prognosis

Clinical and Prognostic Significance of Detection of Enteroviral RNA in the Myocardium of Patients With Myocarditis or Dilated Cardiomyopathy, 2582

Exercise Technetium-99m Sestamibi Tomography for Cardiac Risk Stratification of Patients With Stable Chest Pain, 615

N-Terminal Proatrial Natriuretic Factor: An Independent Predictor of Long-term Prognosis After Myocardial Infarction, 1934

Plasma Endothelin Determination as a Prognostic Indicator of 1-Year Mortality After Acute Myocardial Infarction, 1573

Propafenone

An Enantiomer-Enantiomer Interaction of (*S*)- and (*R*)-Propafenone Modifies the Effect of Racemic Drug Therapy, 2396

Prostaglandins

Liposome-Bound Prostaglandin E₁ Often Prevents Cyclic Flow Variations in Stenosed and Endothelium-Injured Canine Coronary Arteries, 1786

Pulmonary Hypertension in Patients With Human Immunodeficiency Virus Infection: Comparison With Primary Pulmonary Hypertension, 2722

Proteins

Chronic Dynamic Exercise Improves a Functional Abnormality of the G Stimulatory Protein in Cardiomyopathic BIO 53.58 Syrian Hamsters, 836

γ -Globulin Treatment of Acute Myocarditis in the Pediatric Population, 252

Heat-Shock Protein Induction in Rat Hearts: A Direct Correlation Between the Amount of Heat-Shock Protein Induced and the Degree of Myocardial Protection, 355

Involvement of 5-HT₂ Receptors in Chronic Endothelial Dysfunction After Balloon Injury of Porcine Coronary Arteries, 1776

Pulmonary heart disease

Survival in Primary Pulmonary Hypertension: Validation of a Prognostic Equation, 1733

Purine

Infarct Size-Limiting Effect of Ischemic Preconditioning Is Blunted by Inhibition of 5'-Nucleotidase Activity and Attenuation of Adenosine Release, 1237

Purkinje cells

Reduced Calcium Currents in Subendocardial Purkinje Myocytes That Survive in the 24- and 48-Hour Infarcted Heart, 2747

Q**QRS duration**

Assessment of Effects of Autonomic Stimulation and Blockade on the Signal-Averaged Electrocardiogram, 1656

R**Radiation**

Reduction of Radiation Exposure While Maintaining High-Quality Fluoroscopic Images During Interventional Cardiology Using Novel X-ray Tube Technology With Extra Beam Filtering, 2710

Radiofrequency

Effects of Radiofrequency Catheter Ablation on Regional Myocardial Blood Flow: Possible Mechanism for Late Electrophysiological Outcome, 2667

Microwave Catheter Ablation of Myocardium In Vitro: Assessment of the Characteristics of Tissue Heating and Injury, 2390

Origin and Significance of Double Potentials Near the Atrioventricular Node: Correlation of Extracellular Potentials, Intracellular Potentials, and Histology, 2351

Radiofrequency Ablation Therapy in Idiopathic Left Ventricular Tachycardia With No Obvious Structural Heart Disease, 1690

Radiofrequency Catheter Ablation Guided by Intracardiac Echocardiography, 1301

Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074

Shortening of Fast Pathway Refractoriness After Slow Pathway Ablation: Effects of Autonomic Blockade, 1103

Treatment of Ventricular Tachycardia by Transcatheter Radiofrequency Ablation in Patients With Ischemic Heart Disease, 1094

Radioisotopes

Kinetic Properties of ^{99m}Tc-Q12 in Canine Myocardium, 1291

Radionuclides

Redistribution of ^{99m}Tc-Sestamibi and ²⁰¹Tl in the Presence of a Severe Coronary Artery Stenosis, 2332

Ventricular Systolic Assessment in Patients With Dilated Cardiomyopathy by Preload-Adjusted Maximal Power: Validation and Noninvasive Application, 2045

Raynaud's phenomenon

Enhanced Cholinergic Cutaneous Vasodilation in Raynaud's Phenomenon, 1183

Receptors

Endogenous Adenosine Does Not Activate ATP-Sensitive Potassium Channels in the Hypoxic Guinea Pig Ventricile In Vivo, 1209

Receptors, adrenergic, alpha

Increased Vascular Responsiveness to Norepinephrine in Rats With Heart Failure Is Endothelium Dependent: Dissociation of Basal and Stimulated Nitric Oxide Release, 393

Receptors, adrenergic, beta

Dose-Response of Chronic β -Blocker Treatment in Heart Failure From Either Idiopathic Dilated or Ischemic Cardiomyopathy, 1632
 Esmolol Tilt Testing With Esmolol Withdrawal for the Evaluation of Syncope in the Young, 228
 Native β -Adrenergic Support for Left Ventricular Dysfunction in Experimental Mitral Regurgitation Normalizes Indexes of Pump and Contractile Function, 818
 Vasodepressor Reaction Induced by Inferior Vena Cava Occlusion and Isoproterenol in the Rat: Role of β_1 - and β_2 -Adrenergic Receptors, 2401

Receptors, estrogen

Variety Expression of the Estrogen Receptor in Normal and Atherosclerotic Coronary Arteries of Premenopausal Women, 1501

Reentry

High $[Ca^{2+}]_o$ -Induced Electrical Heterogeneity and Extrasystolic Activity in Isolated Canine Ventricular Epicardium: Phase 2 Reentry, 1839
 Mapping of Reset of Anatomic and Functional Reentry in Anisotropic Rabbit Ventricular Myocardium, 852
 Mechanism of Interruption of Atrial Flutter by Moricizine: Electrophysiological and Multiplexing Studies in the Canine Sterile Pericarditis Model of Atrial Flutter, 2860
 Mechanisms of Entrainment of Human Common Flutter Studied With Multiple Endocardial Recordings, 2117
 Origin and Significance of Double Potentials Near the Atrioventricular Node: Correlation of Extracellular Potentials, Intracellular Potentials, and Histology, 2351
 Radiofrequency Ablation Therapy in Idiopathic Left Ventricular Tachycardia With No Obvious Structural Heart Disease, 1690
 Ventricular Beats Induce Variations in Cycle Length of Rapid (Type II) Atrial Flutter in Humans: Evidence of Leading Circle Reentry, 2107

Registries

Evaluating New Devices: Acute (In-Hospital) Results From the New Approaches to Coronary Intervention Registry, 471

Regulation

Cardiovascular Devices and the Food and Drug Administration, 1903

Regurgitation

Dynamic Nature of the Aortic Regurgitant Orifice Area During Diastole in Patients With Chronic Aortic Regurgitation, 2085

Evaluation of Mitral Regurgitation Using a Digitally Determined Color Doppler Flow Convergence 'Centerline' Acceleration Method: Studies in an Animal Model With Quantified Mitral Regurgitation, 2879

Native β -Adrenergic Support for Left Ventricular Dysfunction in Experimental Mitral Regurgitation Normalizes Indexes of Pump and Contractile Function, 818

Relaxing factors

17 β -Estradiol Preserves Endothelial Vasodilator Function and Limits Low-Density Lipoprotein Oxidation in Hypercholesterolemic Swine, 2251

Nitric Oxide Regulates Basal Systemic and Pulmonary Vascular Resistance in Healthy Humans, 2035

Remodeling

Effect of Endurance Training Early or Late After Coronary Artery Occlusion on Left Ventricular Remodeling, Hemodynamics, and Survival in Rats With Chronic Transmural Myocardial Infarction, 402

The Relative Importance of Arterial Remodeling Compared With Intimal Hyperplasia in Lumen Renarrowing After Balloon Angioplasty: A Study in the Normal Rabbit and the Hypercholesterolemic Yucatan Micropig, 2816

Renin

Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153
 Tissue Angiotensin System in Cardiovascular Medicine: A Paradigm Shift? 493

Renin-angiotensin system

Alterations in Coronary Artery Vascular Reactivity of Hypertensive Ren-2 Transgenic Rats, 2780
 Angiotensin II Receptor Antagonist TCV-116 Induces Regression of Hypertensive Left Ventricular Hypertrophy In Vivo and Inhibits the Intracellular Signaling Pathway of Stretch-Mediated Cardiomyocyte Hypertrophy In Vitro, 2204

Renin Is Not Synthesized by Cardiac and Extrarenal Vascular Tissues: A Review of Experimental Evidence, 458

Reperfusion

Coronary Reperfusion Enhances Recovery of Atrial Natriuretic Peptide Secretion: Salvaging Endocrine Function in Patients With Acute Right Ventricular Infarction, 558
 Heat-Shock Protein Induction in Rat Hearts: A Direct Correlation Between the Amount of Heat-Shock Protein Induced and the Degree of Myocardial Protection, 355
 Infarct Size-Limiting Effect of Ischemic Preconditioning Is Blunted by Inhibition of 5'-Nucleotidase Activity and Attenuation of Adenosine Release, 1237
 Ischemic Preconditioning Protects Against Coronary Endothelial Dysfunction Induced by Ischemia and Reperfusion, 1254

Molecular Evidence for Induction of Intracellular Adhesion Molecule-1 in the Viable Border Zone Associated With Ischemia-Reperfusion Injury of the Dog Heart, 2736
 New Na^+-H^+ Exchange Inhibitor HOE 694 Improves Postischemic Function and High-Energy Phosphate Resynthesis and Reduces Ca^{2+} Overload in Isolated Perfused Rabbit Heart, 2787

Nicotine Exacerbates Postischemic Contractile Dysfunction of 'Stunned' Myocardium in the Canine Model: Possible Role of Free Radicals, 1272

Predictive Value of Reactive Hyperemic Response on Reperfusion on Recovery of Regional Myocardial Function After Coronary Angioplasty in Acute Myocardial Infarction, 1109

Recombinant Human Superoxide Dismutase (h-SOD) Fails to Improve Recovery of Ventricular Function in Patients Undergoing Coronary Angioplasty for Acute Myocardial Infarction, 1982

Rheumatic heart disease

Rheumatic Fever and the HLA Complex: A Cosegregation Study, 138

Ridogrel

Randomized Trial of Ridogrel, a Combined Thromboxane A₂ Synthase Inhibitor and Thromboxane A₂/Prostaglandin Endoperoxide Receptor Antagonist, Versus Aspirin as Adjunct to Thrombolysis in Patients With Acute Myocardial Infarction: The Ridogrel Versus Aspirin Patency Trial (RAPT), 588

Thrombin-Induced Endothelium-Dependent Inhibition and Direct Activation of Platelet-Vessel Wall Interaction: Role of Prostacyclin, Nitric Oxide, and Thromboxane A₂, 2266

Risk factors

Dietary Iron Intake and Risk of Coronary Disease Among Men, 969

RNA

Endothelin ET_A Receptor Antagonist Blocks Cardiac Hypertrophy Provoked by Hemodynamic Overload, 2198

S**Sarcolemma**

Cardiac Sarcoplasmic Reticulum Calcium ATPase, an Autoimmune Antigen in Experimental Cardiomyopathy, 1217

Sarcosoma

A Middle-Aged Woman With Dyspnea, Cachexia, Increased Abdominal Girth, Pericardial Effusion, and a Continuous Murmur, 484

Sarcoplasmic reticulum

Cardiac Sarcoplasmic Reticulum Calcium ATPase, an Autoimmune Antigen in Experimental Cardiomyopathy, 1217

Scintigraphy

Myocardial Viability in Patients With Chronic Coronary Artery Disease: Comparison of ^{99m}Tc-Sestamibi With Thallium Rejection and ^{[18}F]Fluorodeoxyglucose, 578
Regional Myocardial Sympathetic Dysinnervation in Arrhythmogenic Right Ventricular Cardiomyopathy: An Analysis Using ¹²³I-Meta-Iodobenzylguanidine Scintigraphy, 667

Serotonin

Functional Improvement Precedes Structural Regression of Atherosclerosis, 1810

Sestamibi

Myocardial Perfusion and Ventricular Function Measurements During Total Coronary Artery Occlusion in Humans: A Comparison With Rest and Exercise Radionuclide Studies, 278

Predicting Recovery of Severe Regional Ventricular Dysfunction: Comparison of Resting Scintigraphy With ²⁰¹Tl and ^{99m}Tc-Sestamibi, 2552

Shock

A 56-Year-Old Man With Acute-Onset Pulmonary Edema and Shock, 2921

Sinoatrial node

Mechanism-Specific Effects of Adenosine on Atrial Tachycardia, 2645

Smoking

Determinants of Severity of Coronary Artery Disease in Australian Men and Women, 1974

Exposure to Environmental Tobacco Smoke Increases Myocardial Infarct Size in Rats, 1282

Metoprolol Does Not Attenuate Atherosclerosis in Lipid-Fed Rabbits Exposed to Environmental Tobacco Smoke, 2260

Sodium

Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153

Correlates of Left Ventricular Mass in a Population Sample Aged 36 to 37 Years: Focus on Lifestyle and Salt Intake, 1041

Effects on Left Ventricular Hypertrophy of Long-term Non-pharmacological Treatment With Sodium Restriction in Mild-to-Moderate Essential Hypertension, 1023

New $\text{Na}^+ \text{-H}^+$ Exchange Inhibitor HOE 694 Improves Post-ischemic Function and High-Energy Phosphate Resynthesis and Reduces Ca^{2+} Overload in Isolated Perfused Rabbit Heart, 2787

Sodium channels

Modulation of Procainamide's Effect on Cardiac Conduction in Dogs by Extracellular Potassium Concentration: A Quantitative Analysis, 2870

Sodium nitroprusside

Exhaled Nitric Oxide as a Marker for Organic Nitrate Tolerance, 2498

d-Sotalol

Interaction of Acute Ventricular Dilatation and *d*-Sotalol During Sustained Reentrant Ventricular Tachycardia Around a Fixed Obstacle, 423

Spectroscopy

Detection of Myocardial Ischemia by ³¹P Magnetic Resonance Spectroscopy During Handgrip Exercise, 1709
Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624

Serial Echocardiographic Assessment of Left Ventricular Geometry and Function After Large Myocardial Infarction in the Rat, 345

SQ-30741

Thrombin-Induced Endothelium-Dependent Inhibition and Direct Activation of Platelet-Vessel Wall Interaction: Role of Prostacyclin, Nitric Oxide, and Thromboxane A₂, 2266

Statistics

Three-dimensional Echocardiography: In Vivo Validation for Right Ventricular Volume and Function, 2342

Stenosis

A New Approach for Local Intravascular Drug Delivery: Iontophoretic Balloon, 1518

Angiopeptin Inhibits Oncogene Induction in Rabbit Aorta After Balloon Denudation, 2327

A Randomized Comparison of the Effects of Gradual Prolonged Versus Standard Primary Balloon Inflation on Early and Late Outcome: Results of a Multicenter Clinical Trial, 1118

Biodegradable Microspheres Containing a Colchicine Analogue Inhibit DNA Synthesis in Vascular Smooth Muscle Cells, 1929

Dependence of Gorlin Formula and Continuity Equation Valve Areas on Transvalvular Volume Flow Rate in Valvular Aortic Stenosis, 827

Digital Angiographic Impulse Response Analysis of Regional Myocardial Perfusion: Detection of Autoregulatory Changes in Nonstenotic Coronary Arteries Induced by Collateral Flow to Adjacent Stenotic Arteries, 1004

Identification of Coronary Artery Stenoses and Poststenotic Blood Flow Patterns Using a Miniature High-Frequency Epicardial Transducer, 731

Improving Detection of Coronary Morphological Features From Digital Angiograms: Effect of Stenosis-Stabilized Display, 2700

Independent Predictors of Long-term Results After Balloon Pulmonary Valvuloplasty, 1751

Major Clinical Events After Coronary Stenting: The Multicenter Registry of Acute and Elective Gianturco-Roubin Stent Placement, 1126

Noninvasive Quantitative Evaluation of the Morphology of the Major Pulmonary Artery Branches in Cyanotic Congenital Heart Disease: Angiographic and Echocardiographic Correlative Study, 1306

Pressure Recovery in Aortic Valve Stenosis, 116

Relation Between Coronary Artery Stenosis Assessed by Visual, Caliper, and Computer Methods and Exercise Capacity in Patients With Single-Vessel Coronary Artery Disease, 2005

Relation of Clinical Presentation, Stenosis Morphology, and Operator Technique to the Procedural Results of Rotational Atherectomy and Rotational Atherectomy-Facilitated Angioplasty, 882

Severe Congenital Mitral Stenosis in Infants, 2099

The Relative Importance of Arterial Remodeling Compared With Intimal Hyperplasia in Lumen Renarrowing After Balloon Angioplasty: A Study in the Normal Rabbit and the Hypercholesterolemic Yucatan Micropig, 2816

Three-Year Outcome After Balloon Aortic Valvuloplasty: Insights Into Prognosis of Valvular Aortic Stenosis, 642
 Use of the Rabbit Ear Artery to Serially Assess Foreign Protein Secretion After Site-Specific Arterial Gene Transfer In Vivo: Evidence That Anatomic Identification of Successful Gene Transfer May Underestimate the Potential Magnitude of Transgene Expression, 785
 Vascular Injury Augments Adrenergic Neurotransmission, 777

Stents

Balloon Angioplasty With Stent Implantation in Experimental Coarctation of the Aorta, 2677
 Evaluating New Devices: Acute (In-Hospital) Results From the New Approaches to Coronary Intervention Registry, 471
 Evaluating the Potential Cost-effectiveness of Stenting as a Treatment for Symptomatic Single-Vessel Coronary Disease: Use of a Decision-Analytic Model, 1859
 Intracoronary Stents: A Breakthrough Technology or Just Another Small Step? 1323
 Major Clinical Events After Coronary Stenting: The Multicenter Registry of Acute and Elective Gianturco-Roubin Stent Placement, 1126

Stereoisomers

Mirror, Mirror on the Wall . . . Stereochemistry in Therapeutics, 2451

Stiffness

Changes in Passive Mechanical Stiffness of Myocardial Tissue With Aneurysm Formation, 2315

Streptokinase

A Pilot, Early Angiographic Patency Study Using a Direct Thrombin Inhibitor as Adjunctive Therapy to Streptokinase in Acute Myocardial Infarction, 1567
 Abrupt Complement Activation and Transient Neutropenia in Patients With Acute Myocardial Infarction Treated With Streptokinase, 76
 Long-term Prognostic Importance of Patency of the Infarct-Related Coronary Artery After Thrombolytic Therapy for Acute Myocardial Infarction, 61
 Randomized Trial of Ridogrel, a Combined Thromboxane A₂ Synthase Inhibitor and Thromboxane A₂/Prostaglandin Endoperoxide Receptor Antagonist, Versus Aspirin as Adjunct to Thrombolysis in Patients With Acute Myocardial Infarction: The Ridogrel Versus Aspirin Patency Trial (RAPT), 588

Stress

Detection of Myocardial Ischemia by ³¹P Magnetic Resonance Spectroscopy During Handgrip Exercise, 1709

Stroke

High-Density Lipoprotein Cholesterol and Premature Coronary Heart Disease in Urban Japanese Men, 2533

Superoxide dismutase

Probucol Promotes Endogenous Antioxidants and Provides Protection Against Adriamycin-Induced Cardiomyopathy in Rats, 2829

Recombinant Human Superoxide Dismutase (h-SOD) Fails to Improve Recovery of Ventricular Function in Patients Undergoing Coronary Angioplasty for Acute Myocardial Infarction, 1982

Surgery

Assessment of the Immediate Effects of Cardiopulmonary Bypass on Left Ventricular Performance by On-line Pressure-Area Relations, 180
 'Intramural' Residual Interventricular Defects After Repair of Conotruncal Malformations, 236
 Mitral Valve Replacement Versus Mitral Valve Repair: A Doppler and Quantitative Stress Echocardiographic Study, 132

Pulmonary Atresia With Ventricular Septal Defect in Adults, 243

Survival

Effect of Endurance Training Early or Late After Coronary Artery Occlusion on Left Ventricular Remodeling, Hemodynamics, and Survival in Rats With Chronic Transmural Myocardial Infarction, 402
 Mortality Benefits and the Implantable Cardioverter-Defibrillator, 1851

Syncope

Esmolol Tilt Testing With Esmolol Withdrawal for the Evaluation of Syncope in the Young, 228

Syndrome X

Is Coronary Flow Reserve in Response to Papaverine Really Normal in Syndrome X? 1998

T**Tachycardia**

Asymptomatic Arrhythmias in Patients With Symptomatic Paroxysmal Atrial Fibrillation and Paroxysmal Supraventricular Tachycardia, 224

Efficacy of a Single-Lead Unipolar Transvenous Defibrillator Compared With a System Employing an Additional Coronary Sinus Electrode: A Prospective, Randomized Study, 2641

Identification of Concealed Posteroapical Kent Pathways by Comparison of Ventriculoatrial Intervals From Apical and Posterobasal Right Ventricular Sites, 1060

Interaction of Acute Ventricular Dilatation and d-Sotalol During Sustained Reentrant Ventricular Tachycardia Around a Fixed Obstacle, 423

Mapping of Reset of Anatomic and Functional Reentry in Anisotropic Rabbit Ventricular Myocardium, 852

Mechanism-Specific Effects of Adenosine on Atrial Tachycardia, 2645

Origin and Significance of Double Potentials Near the Atrioventricular Node: Correlation of Extracellular Potentials, Intracellular Potentials, and Histology, 2351

Prospective, Randomized Comparison in Humans of a Unipolar Defibrillation System With That Using an Additional Superior Vena Cava Electrode, 1090

Radiofrequency Ablation Therapy in Idiopathic Left Ventricular Tachycardia With No Obvious Structural Heart Disease, 1690

Radiofrequency Catheter Ablation of Atrial Arrhythmias: Results and Mechanisms, 1074

Treatment of Ventricular Tachycardia by Transcatheter Radiofrequency Ablation in Patients With Ischemic Heart Disease, 1094

Technetium

Correlation of Pharmacological ^{99m}Tc-Sestamibi Myocardial Perfusion Imaging With Poststenotic Coronary Flow Reserve in Patients With Angiographically Intermediate Coronary Artery Stenoses, 2150

Kinetic Properties of ^{99m}Tc-Q12 in Canine Myocardium, 1291

Predicting Recovery of Severe Regional Ventricular Dysfunction: Comparison of Resting Scintigraphy With ²⁰¹Tl and ^{99m}Tc-Sestamibi, 2552

Testosterone

Evidence for an Association Between Dehydroepiandrosterone Sulfate and Nonfatal, Premature Myocardial Infarction in Males, 89

Thallium

Predicting Recovery of Severe Regional Ventricular Dysfunction: Comparison of Resting Scintigraphy With ²⁰¹Tl and ^{99m}Tc-Sestamibi, 2552

Thiols

Potentiation of Isosorbide Dinitrate Effects With *N*-Acetyl-cysteine in Patients With Chronic Heart Failure, 2595

Thrombin

Recombinant Hirudin for Unstable Angina Pectoris: A Multicenter, Randomized Angiographic Trial, 1557

Thromboembolism

Exclusion of Atrial Thrombus by Transesophageal Echocardiography Does Not Preclude Embolism After Cardioversion of Atrial Fibrillation: A Multicenter Study, 2509

Thrombolysis

Arterial Diastolic Pressure Augmentation by Intra-aortic Balloon Counterpulsation Enhances the Onset of Coronary Artery Reperfusion by Thrombolytic Therapy, 361

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

Earlier Diagnosis and Treatment of Acute Myocardial Infarction Necessitates the Need for a 'New Diagnostic Mind-set,' 872

History of Drugs for Thrombotic Disease: Discovery, Development, and Directions for the Future, 432

Significance of Arrhythmias During the First 24 Hours of Acute Myocardial Infarction Treated With Alteplase and Effect of Early Administration of a β -Blocker or a Bradycardiac Agent on Their Incidence, 1051

Thrombomodulin

Endothelin Production in Pulmonary Circulation of Patients With Mitral Stenosis, 2093

Thrombosis

Antiplatelet and Antithrombotic Efficacy of DMP 728, a Novel Platelet GPIIb/IIIa Receptor Antagonist, 3

Arterial Diastolic Pressure Augmentation by Intra-aortic Balloon Counterpulsation Enhances the Onset of Coronary Artery Reperfusion by Thrombolytic Therapy, 361

Combination Antithrombotic Therapy in Unstable Rest Angina and Non-Q-Wave Infarction in Nonprior Aspirin Users: Primary End Points Analysis From the ATACS Trial, 81

Combination of Platelet Fibrinogen Receptor Antagonist and Direct Thrombin Inhibitor at Low Doses Markedly Improves Thrombolysis, 1802

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

Expression of Type 1 Plasminogen Activator Inhibitor in Chronic Pulmonary Thromboemboli, 2715

Heparin Neutralization by Platelet-Rich Thrombi: Role of Platelet Factor 4, 1523

Interaction Between Plasma Potassium and Epinephrine in Coronary Thrombosis in Dogs, 331

Major Clinical Events After Coronary Stenting: The Multicenter Registry of Acute and Elective Gianturco-Roubin Stent Placement, 1126

Oral Verapamil Inhibits Platelet Thrombus Formation in Humans, 630

Recombinant Hirudin for Unstable Angina Pectoris: A Multicenter, Randomized Angiographic Trial, 1557

Role of Inflammation in Coronary Plaque Disruption, 503

Specific Factor Xa Inhibition Reduces Restenosis After

Balloon Angioplasty of Atherosclerotic Femoral Arteries

in Rabbits, 1262

Thromboembolic and Bleeding Complications in Patients With Mechanical Heart Valve Prostheses, 635

Thromboxane

Low-Dose Aspirin Inhibits Platelet-Induced Contraction of the Human Isolated Coronary Artery: A Role for Additional 5-Hydroxytryptamine Receptor Antagonism Against Coronary Vasospasm? 623

Tomography

Assessment of Anatomic and Physiological Severity of Single-Vessel Coronary Artery Lesions by Dipyridamole Echocardiography: Comparison With Positron Emission Tomography and Quantitative Arteriography, 753

Coronary Flow Reserve Calculated From Pressure Measurements in Humans: Validation With Positron Emission Tomography, 1013

Correlation of Pharmacological 99m Tc-Sestamibi Myocardial Perfusion Imaging With Poststenotic Coronary Flow Reserve in Patients With Angiographically Intermediate Coronary Artery Stenoses, 2150

Enhancement of Regional Myocardial Efficiency and Persistence of Perfusion, Oxidative, and Functional Reserve With Paired Pacing of Stunned Myocardium, 2290

Fast Computed Tomography Detection of Coronary Calcification in the Diagnosis of Coronary Artery Disease: Comparison With Angiography in Patients <50 Years Old, 285

Is 'Silent' Myocardial Ischemia Really as Severe as Symptomatic Ischemia? The Analytical Effect of Patient Selection Biases, 1958

Myocardial Viability in Patients With Chronic Coronary Artery Disease: Comparison of 99m Tc-Sestamibi With Thallium Rejection and $[^{18}\text{F}]$ Fluorodeoxyglucose, 578

Short-term Cholesterol Lowering Decreases Size and Severity of Perfusion Abnormalities by Positron Emission Tomography After Dipyridamole in Patients With Coronary Artery Disease: A Potential Noninvasive Marker of Healing Coronary Endothelium, 1530

Torsade de pointes

Effect of Calcium Channel Block on the Wall Motion Abnormality of the Idiopathic Long QT Syndrome, 2126

Transfection

Use of the Rabbit Ear Artery to Serially Assess Foreign Protein Secretion After Site-Specific Arterial Gene Transfer *In Vivo*: Evidence That Anatomic Identification of Successful Gene Transfer May Underestimate the Potential Magnitude of Transgene Expression, 785

Transferrin

Iron Stores Are Not Associated With Acute Myocardial Infarction, 2915

Transferring

Low Iron-Binding Capacity as a Risk Factor for Myocardial Infarction, 102

Transplantation

Blood Pressure and Endocrine Responses to Changes in Dietary Sodium Intake in Cardiac Transplant Recipients: Implications for the Control of Sodium Balance, 1153

Central and Peripheral Limitations to Upright Exercise in Untrained Cardiac Transplant Recipients, 2605

Contraction Uncoupling With Butanediol Monoxime Versus Low Calcium or High Potassium Solutions on Flow and Contractile Function of Isolated Hearts After Prolonged Hypothermic Perfusion, 2412

Differential Expression of the Cell Adhesion Molecules ICAM-1, VCAM-1, and E-Selectin in Normal and Post-transplantation Myocardium: Cell Adhesion Molecule Expression in Human Cardiac Allografts, 1760

Effect of L-Arginine on Coronary Endothelial Function in Cardiac Transplant Recipients: Relation to Vessel Wall Morphology, 1615

Effect of Transcutaneous Electrical Nerve Stimulation on Coronary Blood Flow, 694

Effects of Cardiac Transplantation on Bioenergetic Abnormalities of Skeletal Muscle in Congestive Heart Failure, 1624

First Use of an Untethered, Vented Electric Left Ventricular Assist Device for Long-term Support, 2908

Immediate Evaluation of Endomyocardial Biopsies for Clinically Suspected Rejection After Heart Transplantation, 2079

In Vivo Blockade of Tumor Necrosis Factor- α in Cholesterol-Fed Rabbits After Cardiac Transplant Inhibits Acute Coronary Artery Neointimal Formation, 2768

Intracoronary Ultrasound Assessment of Morphological and Functional Abnormalities Associated With Cardiac Allograft Vasculopathy, 272

Platelet Aggregation and HDL Cholesterol Are Predictive of Acute Coronary Events in Heart Transplant Recipients, 2590

The Impending Crisis Awaiting Cardiac Transplantation: Modeling a Solution Based on Selection, 450

Tissue Plasminogen Activator, Plasminogen Activator Inhibitor-1, and Fibrin as Indexes of Clinical Course in Cardiac Allograft Recipients: An Immunocytochemical Study, 1599

Twist

Alterations in Left Ventricular Twist Mechanics With Inotropic Stimulation and Volume Loading in Human Subjects, 142

U

UL-FS 49

Heart Rate and Force-Frequency Effects on Diastolic Function of the Left Ventricle in Exercising Dogs, 2361

Ultrasonics

Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, I: Initial Studies, 712

Arterial Imaging With a New Forward-Viewing Intravascular Ultrasound Catheter, II: Three-Dimensional Reconstruction and Display of Data, 718

Arterial Reactivity Is Significantly Impaired in Normotensive Young Adults After Successful Repair of Aortic Coarctation in Childhood, 1745

Comparison of Intravascular Ultrasound and Angiography in the Assessment of Myocardial Bridging, 1725

Compensatory Carotid Artery Dilatation in Early Atherosclerosis, 2578

Coronary Atherosclerotic Wall Thickening and Vascular Reactivity in Humans: Elevated High-Density Lipoprotein Levels Ameliorate Abnormal Vasoconstriction in Early Atherosclerosis, 2525

Does External Ultrasound Accelerate Thrombolysis? Results From a Rabbit Model, 339

Effect of L-Arginine on Coronary Endothelial Function in Cardiac Transplant Recipients: Relation to Vessel Wall Morphology, 1615

Focal Compensatory Enlargement of Human Arteries in Response to Progressive Atherosclerosis: In Vivo Documentation Using Intravascular Ultrasound, 2570

Intravascular Ultrasound of Coronary Arteries in Children: Assessment of the Wall Morphology and the Lumen After Kawasaki Disease, 258

Plasma Angiotensin-Converting Enzyme Activity and Carotid Wall Thickening, 952

Use of Therapeutic Ultrasound in Percutaneous Coronary Angioplasty: Experimental In Vitro Studies and Initial Clinical Experience, 1587

V

Valsartan

Antihypertensive Therapy Augments Endothelium-Dependent Relaxations in Coronary Arteries of Spontaneously Hypertensive Rats, 2212

Valves

Dependence of Gorlin Formula and Continuity Equation Valve Areas on Transvalvular Volume Flow Rate in Valvular Aortic Stenosis, 827

Evaluation of Mitral Regurgitation Using a Digitally Determined Color Doppler Flow Convergence 'Centerline' Acceleration Method: Studies in an Animal Model With Quantified Mitral Regurgitation, 2879

Independent Predictors of Long-term Results After Balloon Pulmonary Valvuloplasty, 1751

Mechanism of Altered Patterns of Left Ventricular Filling During the Development of Congestive Heart Failure, 2241

Mitral Valve Replacement Versus Mitral Valve Repair: A Doppler and Quantitative Stress Echocardiographic Study, 132

Prediction of Outcome After Valve Replacement for Rheumatic Mitral Regurgitation in the Era of Chordal Preservation, 191

Pressure Recovery in Aortic Valve Stenosis, 116

Three-Year Outcome After Balloon Aortic Valvuloplasty: Insights Into Prognosis of Valvular Aortic Stenosis, 642

Valve Resistance, 893

Valvuloplasty

Endothelin Production in Pulmonary Circulation of Patients With Mitral Stenosis, 2093

Vasculopathy

In Vivo Blockade of Tumor Necrosis Factor- α in Cholesterol-Fed Rabbits After Cardiac Transplant Inhibits Acute Coronary Artery Neointimal Formation, 2768

Vasoconstriction

Endothelin in Human Congestive Heart Failure, 1580

Functional Improvement Precedes Structural Regression of Atherosclerosis, 1810

Intracoronary Versus Intravenous Effects of Cocaine on Coronary Flow and Ventricular Function, 1819

Vasodilation

Enhanced Cholinergic Cutaneous Vasodilation in Raynaud's Phenomenon, 1183

Intracoronary Ultrasound Assessment of Morphological and Functional Abnormalities Associated With Cardiac Allograft Vasculopathy, 272

Nitric Oxide Mediates Flow-Dependent Epicardial Coronary Vasodilation to Changes in Pulse Frequency But Not Mean Flow in Conscious Dogs, 375

Survival in Primary Pulmonary Hypertension: Validation of a Prognostic Equation, 1733

Vasovagal nerve

Vasodepressor Reaction Induced by Inferior Vena Cava Occlusion and Isoproterenol in the Rat: Role of β_1 - and β_2 -Adrenergic Receptors, 2401

Veins

Both ET_A and ET_B Receptors Mediate Contraction to Endothelin-1 in Human Blood Vessels, 1203

Clinical and Angiographic Results of Transluminal Extraction Coronary Atherectomy in Saphenous Vein Bypass Grafts, 302

Ventilation

The Role of Right and Left Ventricular Function in the Ventilatory Response to Exercise in Chronic Heart Failure, 2062

Ventricles

Acute Effects of Nitric Oxide on Left Ventricular Relaxation and Diastolic Distensibility in Humans: Assessment by Bicorony Sodium Nitroprusside Infusion, 2070

Alterations in Left Ventricular Twist Mechanics With Inotropic Stimulation and Volume Loading in Human Subjects, 142

Correlates of Left Ventricular Mass in a Population Sample Aged 36 to 37 Years: Focus on Lifestyle and Salt Intake, 1041

Dose-Response of Chronic β -Blocker Treatment in Heart Failure From Either Idiopathic Dilated or Ischemic Cardiomyopathy, 1632

Effects of Intracoronary Acetylcholine and Atropine on Basal and Dobutamine-Stimulated Left Ventricular Contractility, 164

Enhanced Left Ventricular Performance in Endurance Trained Older Men, 198

Heart Rate and Force-Frequency Effects on Diastolic Function of the Left Ventricle in Exercising Dogs, 2361

Intramural Myocardial Shortening in Hypertensive Left Ventricular Hypertrophy With Normal Pump Function, 122

'Intramural' Residual Interventricular Defects After Repair of Conotruncal Malformations, 236

Left Ventricular Mass and Subsequent Blood Pressure Changes Among Middle-Aged Men in Rural and Urban Japanese Populations, 1717

Long-term Prognostic Importance of Patency of the Infarct-Related Coronary Artery After Thrombolytic Therapy for Acute Myocardial Infarction, 61

Mitral A Velocity Wave Transit Time to the Outflow Tract as a Measure of Left Ventricular Diastolic Stiffness: Hemodynamic Correlations in Patients With Coronary Artery Disease, 553

Prediction of Outcome After Valve Replacement for Rheumatic Mitral Regurgitation in the Era of Chordal Preservation, 191

Prevalence and Predictors of Audible Physiological Third Heart Sound in a Population Sample Aged 36 to 37 Years, 1189

Quantitative Two-dimensional Echocardiographic Measurements Are Major Predictors of Adverse Cardiovascular Events After Acute Myocardial Infarction: The Protective Effects of Captopril, 68

Regional Myocardial Sympathetic Dysinnervation in Arrhythmogenic Right Ventricular Cardiomyopathy: An Analysis Using ^{123}I -Meta-Iodobenzylguanidine Scintigraphy, 667

Relation of Regional Cross-Fiber Shortening to Wall Thickening in the Intact Heart: Three-dimensional Strain Analysis by NMR Tagging, 1174

Three-dimensional Echocardiography: In Vivo Validation for Right Ventricular Volume and Function, 2342

Ventricular Proarrhythmic Effects of Ventricular Cycle Length and Shock Strength in a Sheep Model of Transvenous Atrial Defibrillation, 413

Ventricular Systolic Assessment in Patients With Dilated Cardiomyopathy by Preload-Adjusted Maximal Power: Validation and Noninvasive Application, 2045

Verapamil

Effect of Calcium Channel Block on the Wall Motion Abnormality of the Idiopathic Long QT Syndrome, 2126

Incidence and Treatment of 'No-Reflow' After Percutaneous Coronary Intervention, 2514

Oral Verapamil Inhibits Platelet Thrombus Formation in Humans, 630

Vesnarinone

Vesnarinone, a New Inotropic Agent, Inhibits Cytokine Production by Stimulated Human Blood From Patients With Heart Failure, 955

Vessels

Genetic Modification of the Vessel Wall: Comparison of Surgical and Catheter-Based Techniques for Delivery of Recombinant Adenovirus, 2190

Liposome-Mediated Gene Transfer Into Human Vascular Smooth Muscle Cells, 13

Viruses

Adenovirus-Mediated Gene Transfer of Soluble Vascular Cell Adhesion Molecule to Porcine Interposition Vein Grafts, 1922

Clinical and Prognostic Significance of Detection of Enteroviral RNA in the Myocardium of Patients With Myocarditis or Dilated Cardiomyopathy, 2582

Pulmonary Hypertension in Patients With Human Immunodeficiency Virus Infection: Comparison With Primary Pulmonary Hypertension, 2722

Therapeutic Effect of Anti-Tumor Necrosis Factor- α Antibody on the Murine Model of Viral Myocarditis Induced by Encephalomyocarditis Virus, 846

Volume

Three-dimensional Echocardiography: In Vivo Validation for Right Ventricular Volume and Function, 2342

Ventricular Systolic Assessment in Patients With Dilated Cardiomyopathy by Preload-Adjusted Maximal Power: Validation and Noninvasive Application, 2045

von Willebrand factor

Blockade of Platelet Membrane Glycoprotein Ib Receptors Delays Intracoronary Thrombogenesis, Enhances Thrombolysis, and Delays Coronary Artery Reocclusion in Dogs, 2822

W

Wall thickness

Exercise Induces Cardiac Dysfunction in Both Moderate, Compensated and Severe Hypertrophy, 2219

Waves

Mitral A Velocity Wave Transit Time to the Outflow Tract as a Measure of Left Ventricular Diastolic Stiffness: Hemodynamic Correlations in Patients With Coronary Artery Disease, 553

Wolff-Parkinson-White syndrome

High-Density Mapping of Electrically Induced Atrial Fibrillation in Humans, 1665

Radiofrequency Catheter Ablation of Right Atriofascicular (Mahaim) Accessory Pathways Guided by Accessory Pathway Activation Potentials, 2655